

TELANGANA STATE PUBLIC SERVICE COMMISSION: HYDERABAD

NOTIFICATION NO. 12/2022, DATED: 03/09/2022

ASSISTANT EXECUTIVE ENGINEERS IN VARIOUS ENGINEERING DEPARTMENTS

(GENERAL RECRUITMENT)

PARA – I:

1) Applications are invited Online from qualified applicants through the proforma Application to be made available on Commission's website (<https://www.tspsc.gov.in>) to the posts of **Assistant Executive Engineers in Various Engineering Departments in the State of Telangana.**

i) Submission of ONLINE applications starts from **Dt. 22/09/2022.**

ii) Last date and time for submission of ONLINE applications is upto 5.00 PM on **14/10/2022.** The payment of Fee will be accepted upto 5:00 P.M of last date for submission.

iii) Hall Tickets can be downloaded from 7 days prior to the examination.

2) The details of vacancies are given below: -

Post Code	Name of the Post	No. of Vacancies	Age as on 01/07/2022 Min. Max.	Scale of Pay Rs.
01	Assistant Executive Engineer (Civil) in Mission Bhagiratha, PR & RD Dept.,	302	18-44	54,220– 1,33,630/-
02	Assistant Executive Engineer (Civil) in Panchayat Raj & Rural Development (Engineering) Department.	211		
03	Assistant Executive Engineer (Civil) in Public Health Department, MA & UD	147		
04	Assistant Executive Engineer (Civil) in Tribal Welfare Department	15		
05	Assistant Executive Engineer (Civil) in I & CAD Dept	360		
06	Assistant Executive Engineer (Mechanical) in I& CAD Dept	94		
07	Assistant Executive Engineer (Electrical) in I& CAD Dept	150		
08	Assistant Executive Engineer (Agriculture) in I& CAD Dept	100		
09	Assistant Executive Engineer (Mechanical) in Ground Water Department	03		
10	Assistant Executive Engineer (Civil) in Transport, Road & Building Department	145		
11	Assistant Executive Engineer (Electrical) in Transport, Road & Building Department	13		
<b>TOTAL</b>		<b>1540</b>		

(The Details of Vacancies i.e., Community-wise, PH-wise, EWS, Sports Category, Multi-Zone / State wide and Gender-wise (General/Women) may be seen at Annexure-I.)

**IMPORTANT NOTE:-** The number of vacancies are subject to variation on intimation being received from the Department concerned. Addition of vacancies if any, will be accepted only before the date of examination and an addendum to that effect will be issued. Deletion of vacancies if any, can be effected upto the declaration of result.

3) (i) **The Examination (Objective Type) is likely to be held in the Month of DECEMBER - 2022 / JANUARY-2023 and the Commission reserves the right to conduct the Examination either through COMPUTER BASED RECRUITMENT TEST (CBRT) OR OFFLINE OMR BASED EXAMINATION OF OBJECTIVE TYPE**

(ii) **Exact date for the above examination will be announced later.**

4) Before applying for the posts, candidates shall register themselves on the One Time Registration (OTR) through the Official Website of TSPSC (<https://www.tspsc.gov.in>).

Those who have registered in OTR already shall apply by login to their profile using their TSPSC ID and Date of Birth as provided in OTR. (In case if the candidate has forgotten the TSPSC ID, the candidate has to visit the TSPSC website and click on the link "Know Your TSPSC\_ID" and enter the Aadhar Number and Date of Birth and get the TSPSC-ID). **If the candidate did not register Aadhar Number in OTR, candidate has to enter either his/her registered mobile number or Name and Date of Birth to get the TSPSC ID).**

**Note:-** i) One Time Registration is not considered as an application for any post under any circumstances.

ii) The applicants are advised to retain their Mobile Number and email id registered in OTR for receiving OTP/SMS for further communication.

**IMPORTANT NOTE:** Applicants are requested to keep the soft copy of the following documents ready while uploading their Applications and updating the OTRs.

- i. Aadhar Card /Voter ID / Pass Port / Driving License / Service ID Cards with (Photograph issued by Central/State/PSU/Public Limited Companies) / Passbook with (photograph by Bank / Post Office) / PAN Card.
- ii. Educational Qualifications i.e., SSC, Intermediate, Degree, Post Graduation etc.,
- iii. Study (Bonafide) / Residence Certificate (1<sup>st</sup> to 7<sup>th</sup> Class period).
- iv. Community Certificate (SC/ST/BC), Non-Creamy Layer Certificate in case of BCs issued by the competent authority of Telangana Government.
- v. Income certificate for the Financial Year prior to the year of application issued by the competent authority of Telangana Government for claiming EWS reservation.
- vi. Certificates claiming Sports & PH reservation, and age relaxation for Ex-Servicemen.

5) The applicants who possess requisite qualification may apply online by satisfying themselves about the terms and conditions of this recruitment.

**6) EDUCATIONAL QUALIFICATIONS:** Applicants must possess the requisite qualifications as detailed below, specified in the relevant Service Rules, indented by the Department, **as on the Date of Notification.**

Pc. No.	Name of the Post	Educational Qualifications as specified in the Service Rules of the department.
01	Assistant Executive Engineer (Civil) in Mission Bhagiratha, PR & RD Dept.,	Must Possess a Bachelor degree in Civil Engineering from a University in India established or incorporated by or under a Central Act, State Act or an Institution recognized by the University Grants Commission / All India council for Technical Education or Associate Member of the Institution of Engineers.
02	Assistant Executive Engineer (Civil) in PR & RD (Engineering) Department.	Must possess a Bachelor's Degree in Civil Engineering from a University in India established or incorporated under a Central Act or State Act or an Institution recognized by the University Grants Commission / All India Council for Technical Education or AMIE.
03	Assistant Executive Engineer (Civil) in Public Health Department, MA & UD	1) Must possess a Bachelor's Degree in Civil Engineering from a University in India established or incorporated by or under a Central Act, State Act or an Institution recognized by the AICTE.  (OR) 2) A pass in Sections "A" and "B" of the AMIE (Civil) Examination.
04	Assistant Executive Engineer (Civil) in Tribal Welfare Department	Graduation (B.E / B.Tech) in Engineering (Civil) from any University of India established by University Grants Commission or an equivalent qualification.
05	Assistant Executive Engineer (Civil) in I& CAD Dept	<b>For Pc. No. 05:-</b> Bachelor's Degree in Civil Engineering
06	Assistant Executive Engineer (Mechanical) in I& CAD Dept	<b>For Pc. No. 06:-</b> Bachelor's Degree in Mechanical Engineering.
07	Assistant Executive Engineer (Electrical) in I& CAD Dept	<b>For Pc. No. 07:-</b> Bachelor's Degree in Electrical Engineering (or) Electrical and Electronics Engineering
08	Assistant Executive Engineer (Agricultural) in I& CAD Dept	<b>For Pc. No. 08:-</b> Bachelor's Degree in Agriculture Engineering.
		<b>Note:</b> The Bachelor's Degree in Engineering of above-mentioned disciplines should be from a University in India established or incorporated under a Central Act or State Act or an Institution recognized by the University Grants Commission / All India Council for Technical Education or AMIE.

09	Assistant Executive Engineer (Mechanical) in Ground Water Department	Must possess B.Tech or B.E., Degree (Mechanical) of a University or an Institution recognized by the University Grants Commission or an equivalent qualification.
10	Assistant Executive Engineer (Civil) in Transport, Road & Building Department	Must possess a Bachelor's Degree in Civil Engineering from a University in India established or incorporated under a Central Act or State Act or an Institution recognized by the University Grants Commission / All India Council for Technical Education or A.M.I.E.
11	Assistant Executive Engineer (Electrical) in Transport, Road & Building Department	Must possess a Bachelor's Degree in Electrical Engineering from a University in India established or incorporated under a Central Act or State Act or an Institution recognized by the University Grants Commission / All India Council for Technical Education or A.M.I.E.

**N.B:- i) Distance Education**:- The Applicants who have obtained requisite Degrees through Open Universities / Distance Education mode are required to have recognition by the University Grants Commission / AICTE / Distance Education Bureau as the case may be. Unless such Degrees have been recognised by the relevant Statutory Authority, they will not be accepted for purpose of Educational Qualification vide its Public Notice No. F.27-1/2012 (CPP-II), Dt. 27/06/2013. (A university established or incorporated by or under a State act shall operate only within the territorial jurisdiction allotted to it under its Act and in no case beyond the territory of the State of its location). The onus of proof of recognition by the relevant Statutory Authority that their Degrees / Universities have been recognised rests with the candidate.

ii) **Equivalent Qualification**: At the time of verification of certificates, if it is noticed that any applicant possessing other than prescribed qualification and claims it as equivalent to the prescribed qualifications, then an Expert Committee will be constituted including the Unit Officer by the Commission and the Commission will take a decision based on the report of the Expert Committee.

7) **AGE**: The candidates should possess Minimum 18 years & Maximum 44 years. The age is reckoned as on 01/07/2022 (Rule-12(1)(a)(v) of State and Subordinate Service Rules).

**(As per G.O.Ms.No.42, G.A.(Ser.A) Department, Dt. 19/03/2022 the upper age limit is raised up to 10 years i.e., from 34 years to 44 years)**

**Minimum Age (18 years)**: An Applicant should not be born after **01/07/2004**

**Maximum Age (44 years)**: An applicant should not be born before **02/07/1978**

The Upper Age limit will be relaxed as per Rules and will be calculated on the above lines.

**Age Relaxations**: The upper age limit prescribed above is however relaxable in the following cases:

Sl. No.	Category of candidates	Relaxation of age permissible
1.	Telangana State Government Employees (Employees of TSRTC, Corporations, Municipalities etc. are not eligible).	Upto 5 Years based on the length of regular service.
2.	Ex-Service men	3 years & length of service rendered in the armed forces.
3.	N.C.C. (who have worked as Instructor in N.C.C.)	3 Years & length of service rendered in the N.C.C.
4.	SC/ST/BCs & EWS	5 Years
5.	Physically Handicapped persons	10 Years

**Note**: Provided that the persons referred at Sl.No. 2&3 above shall, after making deductions referred to in Sub Rule-12(c)(i)&(ii) of Telangana State and Subordinate Service Rules not exceed the maximum age limit prescribed for the post.

- i) The age relaxation for Ex-servicemen is applicable for those who have been released from Armed forces other than by way of Dismissal or Discharge on account of misconduct or Inefficiency.
- ii) The age relaxation for NCC, a Person who was recruited as a whole-time Cadet Corpse Instructor on or after the 1st January, 1963 on his discharge from the NCC either before

or after the expiry of the initial or extended tenure of his office in NCC having served for a period of not less than six months prior to his release from the NCC.

**N.B.** However, no person shall be eligible if he/she crossed 61 years of age (Superannuation age) after availing the eligible age relaxations as on 01/07/2022.

**8) (A) FEE:**

- i) **Application Processing Fee:-** Each applicant must pay Rs. 200/- (Rupees Two Hundred Only) towards Online Application Processing Fee.
- ii) **Examination Fee:-** The applicants have to pay RS. 120/- (Rupees One Hundred and Twenty Only) towards Examination Fee. However,
  - a) All unemployees are exempted from payment of examination fee.
  - b) All Employees of any Government (Central / State / PSUs / Corporations / Other Government Sector) have to pay the prescribed examination fee.

**(B) Mode of Payment of Fee:**

The Fee mentioned at Para-I(8)(A) is to be paid online through payment gateway duly following online instructions once the application form details are submitted.

The fee once remitted, shall not be refunded or adjusted under any circumstances. Failure to pay the Application Processing fee and Examination fee, wherever applicable, will entail total rejection of application. Unless full payment of both Examination fee (**unless exempted**) and Application fee is made, the candidature of the applicant will be rejected and no correspondence or concession in this regard will be entertained. The list of Banks providing service for the purpose of online remittance of fee is given in **ANNEXURE – II.**

**PARA-II: CENTRES FOR THE WRITTEN EXAMINATION:**

- 1) The Written Examination (Objective Type) will be held at the following centres or as may be decided by the Commission.
  - i) HYDERABAD (including HMDA Jurisdiction)
  - ii) KARIMNAGAR
  - iii) KHAMMAM
  - iv) WARANGAL
  - v) NIZAMABAD
- 2) However, the Commission reserves the right to allot candidates to any centre other than the centre chosen by the applicant or to remove / create a new centre for administrative reasons. Request for change of the centre will not be entertained.

**PARA-III: HOW TO APPLY:**

**HOW TO SUBMIT THE ONLINE APPLICATION FORM:**

- (i) The Applicant has to read the **User Guide** (<https://www.tspsc.gov.in>) for Online Submission of Applications and then proceed further.
- Step I:** Before applying, the Applicant has to visit the website (<https://www.tspsc.gov.in>) and fill the OTR application if not registered earlier to obtain TSPSC ID. The candidates are advised to upload all the required certificates (However, original certificates have to be produced for verification at the time of scrutiny before finalizing the selection list). While filling the OTR, the applicant has to ensure that there are no mistakes in it. The Commission will not be held responsible for the mistakes, if any, made by the applicants. If already registered in the OTR the applicant can directly access the application form. The applicant is instructed to fill his/her application form himself/herself with utmost care instead of delegating to others.
- Step II:-a)** In order to fill the application form, the Applicant has to visit the website (<https://www.tspsc.gov.in>) and Click on the online Application Link provided on the Website, then enter TSPSC ID and Date of Birth and login with OTP received to proceed further.
- b) Applicant has to verify the details fetched from OTR database pertaining to Name, Date of Birth, requisite Educational Qualifications, Community, Gender, Ex-Servicemen & Sports etc., displayed on the screen.
  - c) In addition to the details obtained from OTR database, specific details of Notification such as Examination Centre opted, required qualification and declarations etc., should be filled by the applicant.

- d) Preview and Edit facility is available to make changes and then click on SAVE & PAY button for proceeding to next step of making online payment of fee through payment gateway.

**Step III:-**The applicant should pay the prescribed fee as specified through any of the three modes of payment online i.e., Net Banking, Debit Card and Credit Card duly following the instructions appearing on the screen.

**Step IV:-**After payment of fee, the PDF application will be generated which contains the particulars furnished by the applicant. The applicant must download a copy of his/her submitted form (PDF). The Reference ID Number in the PDF application form has to be quoted for future reference/correspondence.

- 1) Applicant shall note that, the details available in OTR database at the time of submitting the application will only be considered for the purpose of this notification. Hence, the candidate is advised to update / edit the details in OTR form before submitting online application form. The Time and Date of submission of the application will be printed on the application PDF form. Changes made by the applicant in OTR details after submission of application form will not be considered for the purpose of this Notification.
- 2) The Commission is not responsible for any discrepancy in Bio-data particulars submitted in the application form. The applicant is therefore advised to strictly follow the instructions and User guide in his/her own interest before submitting the application.
- 3) Applicant must compulsorily fill-up all relevant columns of the application form. The eligibility of the applicant will be decided based on the particulars given in the online application form in terms of notification and it is validated by the software and it will be taken as final. For eg: If an applicant fails to update the OTR regarding his/her PH status before applying, the applicant will not be considered for PH vacancies. Applicant should therefore be very careful, while entering the data and uploading / submitting the application form online.
- 4) Incomplete / incorrect application form will be rejected. The information if any furnished by the applicant subsequently in any form will not be entertained by the Commission under any circumstances unless specifically called for. Applicant should be careful in filling-up the application form and submission. If any lapse is detected during the scrutiny/verification of certificates, the candidature will be rejected even though he/she comes through the final stage of recruitment process or even at a later stage.
- 5) Before uploading/submission of application form, the applicant should carefully ensure his/her eligibility for this examination. No relevant column of the application form should be left blank, otherwise application form will not be accepted.
- 6) The Commission will not make any corrections in the application form submitted by the applicant.
- 7) Applicant must click on Save & Pay Button after filling and preview of the application. Otherwise the application particulars will not be saved in the database.
- 8) Hand written/ Typed/ Photostat copies/ outside printed Application Form will not be entertained. The Commission will not be held responsible for the applications submitted in any other mode.
- 9) For any Technical problems related to Online submission and downloading of Hall-Tickets please contact 040-23542185 or 040-23542187 (Call Time: 10.30 A.M to 1.00 P.M & 1.30 P.M to 5.00 P.M on working days) or mail to [helpdesk@tspsc.gov.in](mailto:helpdesk@tspsc.gov.in)

#### **PARA- IV GENERAL PROVISIONS**

- 1) The applications received online in the prescribed proforma within the time shall only be considered.
- 2) Applicant must upload his/her scanned recent pass port size photo and signature in .jpeg format.
- 3) The applicant should not furnish any particulars that are false, tampered, fabricated or suppress any material information while submitting online application.
- 4) All the essential certificates issued by the competent authority of Telangana State shall be kept with the applicants at the time of submitting the application.
- 5) The required original certificates should be submitted at the time of verification of certificates or whenever called for. Failure to produce the required certificates will lead to disqualification.

6) **Important:** –The claim of the applicants with regard to the date of birth, educational qualifications and community etc., are accepted provisionally on the information furnished by them in their application form and is subject to verification and satisfaction of the Commission. Mere admission to any test or inclusion of the name of an applicant in a Merit List will not confer on the applicant any right for appointment. The candidature is therefore, provisional at all stages and the Commission reserves the right to reject candidature at any stage of the selection even after declaration of results, if any mistake/wrong information is noticed at a later date.

7) The applicants should be willing to serve anywhere in Telangana State.

8) **NOTE ON UTILISING EDIT OPTION BY CANDIDATES:**

The applicant should follow the TSPSC website regularly to utilize the edit option if given by the Commission at any point of time. No separate advertisement / notification will be issued in any news paper. No separate individual intimation shall be given.

9) **Invalidation of OMR Answer Sheet: -**

- a) If any applicant fails to bubble or wrongly bubble the Booklet Series, Hall Ticket Number in the OMR Answer Sheet, such Answer Sheets are invariably invalidated as the answer sheets are valued by Optical Mark Reader. This stipulation is to avoid any sort of human interface in evaluation of the Scripts.
- b) Tampering of OMR answer sheet by using whitener, eraser, blade and chalk powder etc., and also tampering of barcode by any means leads to invalidation.
- c) No request for reconsideration of such rejected/invalidated cases will be entertained.

10) **A) The following certificates / documents must be submitted by the candidates at the time of verification of certificates.**

- i) PDF Application form
- ii) Hall Ticket.
- iii) Aadhar Card /Voter ID / Pass Port / Driving License / Service ID Cards with (Photograph issued by Central/State/PSU/Public Limited Companies) / Passbook with (photograph by Bank / Post Office) / PAN Card.
- iv) Proof of Educational Qualifications.
- v) S.S.C / CBSE / ICSE (For Date of Birth)
- vi) School Study Certificate (1<sup>st</sup> to 7<sup>th</sup> Class)
- vii) Certificate of Residence (where the Candidate has not studied in Educational Institution) (1<sup>st</sup> to 7<sup>th</sup> Class period) obtained from competent authority of Telangana Government.
- viii) Declaration by the Unemployed (For claiming exemption from payment of exam fee).
- ix) No Objection Certificate from Employer (even if employed at any later stage of recruitment).
- x) Service Certificate (If any employee claimed Age relaxation).
- xi) Certificate claiming sports reservation.
- xii) Certificate claiming Ex-servicemen for age relaxation.
- xiii) Community Certificate for BCs, SCs & STs (Issued in the name of candidate with Father Name is only acceptable.) obtained from competent authority of Telangana Government.
- xiv) Non-Creamy Layer Certificate for BCs as per Form- VIIB vide G.O. Ms. No. 34 BC Welfare (OP) Department Dt.08/10/2015 and G.O. Ms. No. 20 BC Welfare (OP) Department Dt.31/10/2017 (Certificate issued in the name of candidate as S/o OR D/o is only acceptable.) obtained from competent authority of Telangana Government.
- xv) Income certificate for the Financial Year prior to the year of application issued by the competent authority of Telangana government for claiming EWS reservation.
- xvi) In case of PH Candidates, Visually Handicapped / Hearing Disability & Hearing Impairment / Orthopedically Handicapped / Multiple disabilities, certificates should be obtained from Competent Medical Authority in SADAREM format relevant to them.
- xvii) Any other certificate required as per this Notification.

**B) Guidelines for evaluation of various disabilities and procedure for certification** are mentioned in G.O.Ms.No.31, WD, CW & (DW) Dept, Dt: 01-12-2009.

1. Physically Challenged candidates who are claiming reservations under Disability quota must note that they will be referred to State Medical Board (Appellate Medical Authority) after completion of certificate verification. The report of Medical Board is final.
2. Request for re-medical-examination by the State Medical Board (Appellate Medical Authority) for assessment of disability will not be entertained.

**Note:-**The Certificate formats are available on Commission's website <https://www.tspsc.gov.in/certificateformats.jsp>

**PARA-V :- IMPORTANT LEGAL PROVISIONS GOVERNING THE RECRUITMENT PROCESS:**

1. **Vacancies**: The recruitment will be made to the vacancies notified before the examination only. There shall be no waiting list as per G.O. Ms. No. 81 General Administration (Ser.A) Department, Dated 22/02/1997 and as per Rule 6 of TSPSC Rules of Procedure.
2. Unfilled and Non-Joining vacancies will be Carried Forward to next recruitment.
3. This Recruitment is entrusted to TSPSC along with Finance Clearance vide G.O.Ms.No.75 Finance (HRM-VII) Department, Dt.6.06.2022, G.O.Ms.No.77 Finance (HRM-VII) Department, Dt.06.06.2022, G.O.Ms.No.80 Finance (HRM-VII) Department, Dt.06.06.2022, G.O.Ms.No.92 Finance (HRM-VII) Department, Dt.17.06.2022, G.O.Ms.No.102 Finance (HRM-VII) Department, Dt.01.07.2022, G.O.Ms.No.103 Finance (HRM-VII) Department, Dt.01.07.2022, G.O.Ms.No.104 Finance (HRM-VII) Department, Dt.01.07.2022.
4. **Recruitment**:- The Recruitment will be processed as per this Notification and also as per the Rules and Instructions issued by the Government and also as decided by the Commission from time to time in terms of respective Special Rules/Adhoc Rules governing the Recruitment vide G.O. Ms. No. 32 Panchayat Raj and Rural Development (Mission Bhagiratha.I) Department, Dt. 08/09/2022, G.O. Ms. No. 26 Panchayat Raj and Rural Development (Engg. Estt.) Department, Dt. 03/09/2022, G.O. Ms. No. 147 Municipal Administration and Urban Development (Engg.,) Department. Dt. 18/08/2022, G.O. Ms. No. 23 Tribal Welfare (Services-I.A1) Department Dt. 24/08/2022, G.O. Ms. No. 32 Irrigation and CAD (Services . I) Department, Dt. 25/04/2018, G.O. Ms. No. 01 Irrigation and CAD (Services .III) Department, Dt. 25/01/2020, G.O. Ms. No.28 Irrigation & CAD (Services-III) Department, Dt. 05/09/2022, G.O. Ms. No. 186 General Administration (SPF-II) Department, Dt. 04/08/2021, G.O. Ms. No. 214 General Administration (SPF-I) Department, Dt. 04/08/2021, G.O. Ms. No. 36 Transport, Road and buildings (SER-R&B) Department, Dt. 19/08/2022, G.O. Ms. No. 43 General Administration (Ser.D) Department, Dt. 19/03/2022, and as per Government Orders issued from time to time, and other related G.Os, Rules etc., applicable in this regard.
5. **Rules**: All are informed that the various conditions and criterion prescribed herein are governed by the General Rules of existing State and Subordinate Service Rules, read with the relevant Special Rules applicable to any particular service in the departments. Any guidelines or clarification is based on the said Rules, and, in case of any necessity, any matter will be processed as per the relevant General and Special Rules in force.
6. **Constitutional Provisions**:- The Commission is empowered under the provisions of Article 315 and 320 of the Constitution of India read with relevant laws, rules, regulations and executive instructions and all other enabling legal provisions in this regard to conduct examination for appointment to the posts notified herein, duly following the principle of order of merit as per **Rule 3** of the TSPSC Rules of Procedure read with reference to relevant statutory provisions and ensuring that the whole recruitment and selection process is carried out with utmost regard to maintain secrecy and confidentiality so as to ensure that the principle of merit is followed.
7. **Multi Zonal and State Cadre Post**:-
  - a) For Post Code. No's. 01 to 10, the posts are classified as Multi zonal posts and the local reservation is applicable as per G.O.Ms.No.124, General Administration (SPF-MC), Department, Dated 30-08-2018.
  - b) For Post Code No. 11, the post is classified as a State Cadre Post, hence reservation for Local Candidates is not applicable.
8. **Local**:-The Local Reservations shall be followed as per the Telangana Public Employment (Organization of Local Cadres and Regulation of Direct Recruitment) Order, 2018, G.O.Ms.No.124, General Administration (SPF-MC), Department, Dated 30-08-2018 as amended vide G.O.Ms. No. 128, G.A. (SPF-I) Dept., Dated: 30/06/2021 and other orders issued by the Government of Telangana from time to time and other related G.Os, Rules etc., applicable.
9. **Employee Details**:- The persons already in Government Service/ Autonomous bodies/ Government aided institutions etc., whether in permanent or temporary capacity or as work charged employees are required to inform in writing to the Head of Office / Department, that they have applied for this recruitment, as the case may be and required to submit the "No Objection Certificate" from the Head of Office / Department concerned to the Commission as and when required to do so.

The persons who are employed after submission of application or at any later stage for this recruitment should also submit "No Objection Certificate" from the Head of Office / Department concerned to the Commission as and when required to do so.

10. **A) Penal Action:-** The Commission is also empowered to invoke the penal provisions of the T.S. Public Examinations (Prevention of Malpractices and Unfair means) Act, 1997 (Act No.25/1997) for matters connected therewith or incidental thereto and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification.

**B) Disqualification for appointment:** A candidate shall be disqualified at any stage as per Rule-12(4) of Telangana State and Subordinate Service Rules.

11. **Community:** (a) The candidates belonging to SC & ST are required to produce Community Certificate issued by the competent authority (obtained from Government of Telangana State) in terms of G.O.Ms No. 58, SW (J) Dept., dt: 12/5/97 read with G.O. Ms. No. 5 Scheduled Castes Development (POA.A2) Dept., dt. 08/08/2014, G.O. Ms. No. 11 Scheduled Castes Development (POA.A2) Dept., dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., dt. 22/01/2015. As per Rule-2(29) of T.S. State and Subordinate Service Rules. Explanation: No person who professes a religion different from Hinduism, the Sikh or Buddhism shall be deemed to be as member of a Scheduled Caste. (b)The candidates belonging to Backward Classes are required to produce Community Certificate (BC-A, BC-B, BC-C, BC-D & BC-E) issued by the Competent Authority in the State of Telangana obtained through Mee-Seva vide G.O. Ms. No. 16 BCW (OP) Dept., Dt. 11/03/2015. (c) Income Certificate for claiming EWS Reservation issued by the Tahsildar (Government of Telangana) vide G.O. Ms. No. 244 General Administration (Ser.D) Department, Dt. 24/08/2021 and orders and instructions issued by the Government from time to time.

12. **Reservation:** -

(i) The rule of reservation is applicable in terms of General Rule 22 & 22 (A) of Telangana State and Subordinate Service Rules.

(ii) Reservation to Disabled persons is subject to the Special Rules/Adhoc Rules governing the posts. The extent of Disability will be decided by the State Appellate Medical Authorities.

(iii) If eligible disabled women candidates of VH(W) / HH(W) / OH(W) / MH(W) category are not available in the initial recruitment, the same shall be filled up by the eligible Male candidates with same category of disability respectively as per G.O.MS. No. 96 General Administration (Ser.D) Department, Dt. 22/07/2019. Hence, eligible male candidates of VH/ HH/ OH/ MH disabled category can also apply for the posts meant for Women categories.

(iv) For Carry Forward PH vacancies, if eligible disabled candidates of that particular category are not available, the same shall be filled up by the method of interchanging as per G.O.MS. No. 96 General Administration (Ser.D) Department, Dt. 22/07/2019. Hence, candidates of all the disabled categories can apply.

(v) Reservation to BC-E group as per G.O. Ms. No. 23 Backward Classes Welfare (C.2) Department, Dt. 07/07/2007, will be subject to the adjudication of the litigation before the Honorable Courts including final orders in Civil Appeal No: (a) 2628-2637 of 2010 in SLP. No. 7388-97 of 2010, dated. 25/03/2010 and orders from the Government.

(vi) The reservation to Meritorious Sports Person is applicable as per the amendments made to State and Subordinate Service Rules as per G.O.Ms.No.107, General Administration (Ser.D) Dept., Dt. 27-07-2018 that is in Rule-2, for sub-Rule (20) and in Rule-22 (i) in sub-Rule (2), for Class-D. In implementing the reservation to Meritorious Sports Person as per G.O. Ms. No.05 YAT&C(Sports) Department, Dt. 14/05/2018, or as may be revised by the Government from time to time shall be followed.

(vii) **Economically Weaker Sections:-** The EWS reservation is applicable as per G.O. Ms. No. 243 & 244 GA (SER.D) Dept., Dt. 24/08/2021.

**Note:-Candidates producing Certificates issued by the Competent Authorities in Telangana State alone are eligible to claim various reservations like SC/ST/BC/ EWS/PH etc.**

#### **PARA-VI:**

1) Local Reservation (95%) is applicable as per Para-8 of G.O.Ms.No.124 General Administration (SPF-MC) Department, dated :30.08.2018).

**(2) Local Candidate as per Para-7 of G.O.Ms.No.124 General Administration (SPF-MC) Department, Dated :30.08.2018:-**

“(1) A candidate for direct recruitment to any post shall be regarded as a local candidate in relation to a local area,-



(a) in cases where a minimum educational qualification has been prescribed for recruitment to the posts,-

(i) if he has studied in an educational institution or educational institutions in such local area for a period of not less than four consecutive academic years ending with the academic year in which he appeared or, as the case may be, first appeared for the relevant qualifying examination; or

(ii) where during the whole or any part of the four consecutive academic years ending with the academic year in which he appeared or as the case may be first appeared for the relevant qualifying examination he has not studied in any educational institution, if he has resided in that local area for a period of not less than four years immediately preceding the date of commencement of the qualifying examination in which he appeared, or as the case may be, first appeared.

(b) In cases where no minimum educational qualifications has been prescribed for recruitment to the post, if he has resided in that local area for a period of not less than four years immediately preceding the date on which the post is notified for recruitment. Explanations:- For the purpose of this paragraph,-

(i) 'educational institution' means a University or any educational institution recognized by the State Government, a University or other competent authority;

(ii) relevant qualifying examination in relation to a post means,-

(a) the examination, a pass in which is the minimum educational qualification prescribed for the post;

(b) the Seventh Class examination or an examination declared by the State Government to be equivalent to the Seventh Class examination; whichever is lower;

(iii) in reckoning the consecutive academic years during which a candidate has studied, any period of interruption of his study by reason of his failure to pass any examination shall be disregarded;

(iv) the question, whether any candidate for direct recruitment to any post has resided in any local area shall be determined with reference to the places where the candidate actually resided and not with reference to the residence of his parents or other guardian.

(2) A candidate for direct recruitment to any post who is not regarded as a local candidate under sub-paragraph (1) in relation to any local area shall,-

(a) in cases where a minimum educational qualification has been prescribed for recruitment to the post,-

(i) If he has studied in educational institutions in the State for a period of not less than seven consecutive academic years ending with the academic year in which he appeared or as the case may be, first appeared for the relevant qualifying examination be regarded as a local candidate in relation to,-

(A) Such local area where he has studied for the maximum period out of the said period of seven years; or

(B) Where the periods of his study in two or more local areas are equal, such local areas where he has studied last in such equal periods;

(ii) If during the whole or any part of the seven consecutive academic years ending with the academic year in which he appeared or as the case may be first appeared for the relevant qualifying examination, he has not studied in the educational institutions in any local area, but has resided in the State during the whole of the said period of seven years, be regarded as a local candidate in relation to,-

A) Such local area where he has resided for the maximum period out of the said period of seven years; or

(B) Where the periods of his residence in two or more local areas are equal, such local area where he has resided last in such equal periods;

(b) In cases where no minimum educational qualification has been prescribed for recruitment to the post, if he has resided in the State for a period of not less than seven years immediately preceding the date on which the post is notified for recruitment, be regarded as a local candidate in relation to,-

(i) such local area where he has resided for the maximum period out of the said period of seven years; or

(ii) where the periods of his residence in two or more local areas are equal such local area where he has resided last in such equal periods.

(c) In cases where Visually Handicapped and Hearing Handicapped persons studied in the special schools meant for them, the native place of the parents of such Visually Handicapped and Hearing Handicapped persons."

**3) The following are the Present Multi Zones in the Telangana State vide G.O.Ms. No. 124, G.A. (SPF-MC) Dept., Dated: 30/08/2018 and amended vide G.O.Ms. No. 128, G.A. (SPF-I) Dept., Dated: 30/06/2021 read with G.O.Rt.No.74, Revenue (DA-CMRF) Dept., dt:12/08/2021:**

<b>Multi Zone- I</b>	Kumrambheem-Asifabad, Mancherial, Peddapalli, Jayashankar-Bhupalapalli, Mulugu Districts
	Adilabad, Nirmal, Nizamabad, Jagityal Districts
	Karimnagar, Rajanna-Sircilla, Siddipet, Medak, Kamareddy Districts
	Bhadradi-Kothagudem, Khammam, Mahabubabad, Hanamkonda (Warangal Urban), Warangal (Warangal Rural) Districts
<b>Multi Zone- II</b>	Suryapet, Nalgonda, Yadadri-Bhongir, Jangaon Districts
	Medchal-Malkajgiri, Hyderabad, Ranga Reddy, Sanga Reddy, Vikarabad Districts
	Mahaboobnagar, Narayanpet, Jogulamba-Gadwal, Wanaparathi, Nagarkurnool Districts

**PARA-VII: SCHEME OF EXAMINATION:-** The Scheme & Syllabus for the examination has been shown in **ANNEXURE-III**.

**PARA-VIII: RESOLVING OBJECTIONS RELATED TO QUESTIONS, KEY AND OTHER MATTERS OF OBJECTIVE TEST:**

- i) The Commission publishes the **key** on its website after conduct of the objective test. Any objections with regard to the questions / Key shall be filed within the stipulated period through the link provided in the TSPSC website, after publication of the key. The objections received physically in the form of representations or through emails are not entertained in any circumstances. Any objection(s) received after the last date for receipt of objections on key would not be entertained.
- ii) The objections received in the prescribed proforma within due date will be referred to Expert Committee for opinion to take appropriate decision thereon by the Commission. As per decision of the Commission, final key will be hosted.
- iii) Objections on final key shall not be entertained.
- iv) The marks for the deleted questions, if any, will be awarded to each candidate proportionately based on his performance on the remaining questions and the marks would be considered upto 3<sup>rd</sup> decimal figure, to determine the merit of the candidates.
- v) After completion of Examination, the Images of OMR Sheets will be hosted on the Commission's Website <https://www.tpspc.gov.in> for reference. Candidates by entering the required Login credentials can download the Images of OMR Sheets. Candidates are advised to retain their Images of OMR Sheets for future purpose until completion of the recruitment process. Duplicate Images of OMR Sheets will not be issued under any circumstances.

**PARA-IX: PROCEDURE OF SELECTION:**

- 1) **Pattern of Examination** will be as per G.O. Ms. No. 55 General Administration (Ser.A) Department, Dt. 25/04/2022.
- 2) The Selection of Candidates for appointment to the posts will be made by Written Examination (Objective Type) by CBRT/ OMR Based and the Selection for the posts will be based on marks secured in the written examination.
- 3) Those candidates who qualify in the Written Examination in order of merit will be called for verification of Certificates, Community and Category wise for the vacancies available as required. The qualifying marks for selection of the candidates belonging to: OC, Sports men & EWS – not less than 40%, BCs - not less than 35% SCs, STs and PH – not less than 30%.

N.B.: Mere securing minimum qualifying marks does not vest any right in a candidate for being considered for selection

- 4) In the event of SC and ST candidates not coming up for selection with the minimum marks prescribed above for selection, their selection shall be considered on the basis of marks with reference to their performance in the written examination irrespective of the marks secured.
- 5) The appearance in all the paper/papers at the Written Examination is compulsory. Absence in any of the paper/papers will automatically render his/her candidature for disqualification.
- 6) Candidates have to produce Original documents and other particulars on the day of verification itself. If candidate fails to produce any of the required original certificates and if the particulars furnished by him / her in the Application do not tally with the Original documents produced him / her, then his / her candidature will be rejected/disqualified without any further correspondence. Those candidates who are called for verification of certificates should furnish their order of preference of Department, Subjects and Multi Zones by exercising Web-Options and submit at the time of verification of certificates, which are final, failing which his/her candidature shall not be considered for further selection process.

The selections will be confined only to the web options exercised by the candidates. Under no circumstances he/she will be considered for the posts /places where preference was not indicated.

- 7) The candidates will be selected and allotted to Department and Multi Zone as per their merit and order of Preference (**web-options**) against the vacancies available.
- 8) The appointment of selected candidates will be subject to their being found medically fit in the appropriate Medical Examination, and if he/she is of sound health, active habits free from any bodily defect or infirmity.

**PARA-X: DEBARMENT:**

- a) Candidates should make sure of their eligibility to the posts applied for and that the declaration made by them in the format of application regarding their eligibility is correct in all respects. Any candidate furnishing incorrect information or making false declaration regarding his/her eligibility at any stage or suppressing any information is liable to be debarred from appearing for any of the examinations conducted by the Commission, and for summarily rejection of candidature for this recruitment.
- b) The Penal Provisions of T.S. Public Examinations (Prevention of Malpractices and Unfair means) Act, 1997 (Act No.25/1997) and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification shall be invoked if malpractice and unfair means are noticed at any stage of the Recruitment.
- c) The Commission is vested with the constitutional duty of conducting recruitment and selection as per rules duly maintaining utmost secrecy and confidentiality in this process and any attempt by anyone causing or likely to cause breach of this constitutional duty in such manner or by such action as to violate or likely to violate the fair practices followed and ensured by the Commission will be sufficient cause for rendering such questionable means as ground for debarment and penal consequences as per law and rules and as may be decided by the Commission.
- d) Any candidate is or has been found impersonating or resorting to any other irregular or improper means in connection with his / her candidature for selection or obtaining support of candidature by any means, such a candidate may in addition to rendering himself/ herself liable to criminal prosecution, will be debarred permanently from any exam or selection held by any Public Service Commission in the country.
- e) If he/she himself/herself or through relations or friends or any others has canvassed or endeavored to enlist for his candidature extraneous support, whether from official or non-official sources for appointment to any State Service or Subordinate Service shall be disqualified.
- f) The applicants are not allowed to bring any Electronic devices or Gadgets such as Smart / Mobile Phones, Scientific Calculators, Tablets, iPad, Bluetooth, Pagers, Programmable Devices or Storage Media like Pen-drive, Smart Watches, Camera etc., or any other equipment or related accessories either in working or switched off mode capable of being used as a communication device during the examination. Use of Electronic devices or Gadgets in the examination hall shall be punishable with imprisonment for a term which shall not be less than three years but which may extend upto seven years and with fine which shall not be less than Rupees Five Thousand, but which may extend upto Rupees One Lakh. Loaning and interchanging of articles among the applicants is not permitted in the examination hall and any form of malpractice will not be permitted in the exam hall and applicants are advised not to bring any of the banned items including mobile phones to the venue of the examination, as arrangement for safe – keeping cannot be assured.

**PARA-XI:-** (A) Please read the following Annexures appended to the Notification before filling the application form.

Annexure-I	Breakup of Vacancies
Annexure-II	Payment Gateway
Annexure-III	Scheme and Syllabus
Annexure-IV	Instruction to the Candidates
Annexure-V	List of Communities
Annexure-VI	List of the recognized sports

**(B) MEMORANDUM OF MARKS:-** After Publication of results, the marks list (total marks) of the successful candidates will be displayed on the Commission's Website. However, Memorandum of Marks can be obtained after one month from the date of declaration of selection list in TSPSC website on payment of Rs.200/- (Rupees Two Hundred Only) through IPO/DD in favour of the Secretary, T.S. Public Service Commission, Hyderabad, for a period of Three Months only. Rejected, Invalid, disqualified, ineligible candidates will not be issued any Memorandum of Marks and fees paid by such candidates, if any, will be

forfeited to Government account, without any correspondence in this regard. Requests for memorandum of marks, will not be entertained until the recruitment process is finalized.

**PARA XII: SPECIAL INSTRUCTIONS TO CANDIDATES:**

Candidates are directed to follow the Commission's Website (<https://www.tspsc.gov.in>) regularly to know the latest developments of this Recruitment and any changes/ Modifications/ Addendum/ Corrigendum, dates of Examination, calling of candidates for verification of Certificates/ Results etc. Candidates may note that individual communication is not possible. Hence, they must regularly visit the TSPSC website for updates such as Edit option, Merit List, List of candidates shortlisted for Certificate Verification, schedule of certificate verification / Medical board, etc.

**Candidates are advised to go through the Instructions to Candidates enclosed to this Notification at Annexure-IV.**

**PARA-XIII: COMMISSION'S DECISION TO BE FINAL:**

The decision of the Commission in all aspects and all respects pertaining to the application and its acceptance or rejection as the case may be, conduct of examination and at all consequent stages culminating in the selection or otherwise of any candidate shall be final in all respects and binding on all concerned, under the powers vested with it under Article 315 and 320 of the Constitution of India. Commission also reserves its right to alter and modify time and conditions laid down in the notification for conducting the various stages up to selection or withdraw the Notification at any time, duly intimating details thereof to all concerned, as warranted by any unforeseen circumstances arising during the course of this process, or as deemed necessary by the Commission at any stage.

**HYDERABAD**  
**DATE: 03/09/2022**

**Sd/-**  
**SECRETARY**

**ANNEXURE – I**

**BREAK-UP OF VACANCY POSITION FOR THE POST OF ASSISTANT EXECUTIVE ENGINEERS IN VARIOUS ENGINEERING DEPARTMENTS**

**(GENERAL RECRUITMENT)**

**PC. NO. 01:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN MISSION BHAGIRATHA, PR & RD DEPT.,**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W		
I	42+	25	13	6	10	4	11	7	2		9	4	5	2	19	10+	8	4+	1VH + 1VH CF	1VH+ 1VH CF	3	133	68	201
	2CF															1CF			1HH + 2HH CF					
																			2OH	1HH +				
																			2MH	1HH CF				
II	20+	12+	6	3	5+	2+	5	3	1		4	2	2	1	9+	5	4	2	1HH + 1HH CF	1VH + 1VH CF	1	66	35	101
	2CF	1CF			1CF	1CF									2CF				1 OH					
																			1 MH	1HH CF				
<b>TOTAL</b>	<b>66</b>	<b>38</b>	<b>19</b>	<b>9</b>	<b>16</b>	<b>7</b>	<b>16</b>	<b>10</b>	<b>3</b>		<b>13</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>30</b>	<b>16</b>	<b>12</b>	<b>7</b>	<b>13</b>	<b>7</b>	<b>4</b>	<b>199</b>	<b>103</b>	<b>302</b>

**PC. NO. 02:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN PANCHAYAT RAJ & RURAL DEVELOPMENT (ENGINEERING) DEPARTMENT.**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	G	W	
I	22+	14+	7	3	5	3	6+	4+	1+		5	2+	3+	1	10+	6	4	2	1HH+	1VH+	2	79	40	119
	2 CF	1 CF					2CF	1CF	1 CF			1CF	2 CF		3 CF				1HH CF	1VH CF				
																			1 OH					
II	19+	11+	6	3	5+	2	5	3	1		3+	2	2	1	8	5	4	2	1HH	1VH+	1	60	32	92
	1CF	1CF			1CF						1CF								1OH	1VH CF				
																			1MH					
<b>TOTAL</b>	<b>44</b>	<b>27</b>	<b>13</b>	<b>6</b>	<b>11</b>	<b>5</b>	<b>13</b>	<b>8</b>	<b>3</b>		<b>9</b>	<b>5</b>	<b>7</b>	<b>2</b>	<b>21</b>	<b>11</b>	<b>8</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>139</b>	<b>72</b>	<b>211</b>

**PC. NO. 03:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN PUBLIC HEALTH DEPARTMENT, MA & UD**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	G	W	
I	4	2	1			1		1	1						1	1		1		1VH		7	7	14
II	29	17	9	4	7	3	7	5	2		5	3	3	2	13	7	6	3	1VH	1VH	2	87	46	133
																			1HH					
																			1OH	1HH				
<b>TOTAL</b>	<b>33</b>	<b>19</b>	<b>10</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>3</b>		<b>5</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>94</b>	<b>53</b>	<b>147</b>

**PC NO. 04:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN TRIBAL WELFARE DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
I	3	2	1			1		1							1+	1+		1		1VH	6	8	14
II		1																				1	1
<b>TOTAL</b>	<b>3</b>	<b>3</b>	<b>1</b>			<b>1</b>		<b>1</b>							<b>2</b>	<b>2</b>		<b>1</b>		<b>1</b>	<b>6</b>	<b>9</b>	<b>15</b>

**PC. NO. 05:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN I& CAD DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL	
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W			
I	27+	16	8	4	6	3	7	5+	1CF	2	5	3+	1CF	3	2	12+	7+	5	3	1VH	2	84	54	138	
																				1HH+					1VH+
																				1HHCF					3VH CF
																				1OH					4HH CF
II	44+	27+	14	6	10	5	12+	8	2	10	4	6	2	21	11	8	5	8	5	2VH	4	144	78	222	
																				1HH					1VH+
																				2OH					3VH CF
																				2MH					1HH+
<b>TOTAL</b>	<b>76</b>	<b>45</b>	<b>22</b>	<b>10</b>	<b>16</b>	<b>8</b>	<b>21</b>	<b>14</b>	<b>4</b>	<b>15</b>	<b>8</b>	<b>9</b>	<b>4</b>	<b>34</b>	<b>19</b>	<b>13</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>6</b>	<b>228</b>	<b>132</b>	<b>360</b>		

**PC. NO. 06:- ASSISTANT EXECUTIVE ENGINEER (MECHANICAL) IN I& CAD DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	G	W	
I	8+ 1CF	5	2	1	2	1	2	1	1			1		1	3	2	2	1	1HH	1VH		22	14	36
II	14	7	4	2	3	2	2	2	1		2+ 1CF	1	1	1	5	3	2	1	1HH 1OH	1VH	1	38	20	58
<b>TOTAL</b>	<b>23</b>	<b>12</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>2</b>		<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>60</b>	<b>34</b>	<b>94</b>

**PC. NO. 07:- ASSISTANT EXECUTIVE ENGINEER (ELECTRICAL) IN I& CAD DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	G	W	
I	8+ 6CF	5+ 1CF	2	1	2	1	2	1+ 2CF	1			1+ 1CF	1CF	1	3+ 3CF	2	2	1	1HH	1VH		31	18	49
II	18+ 8CF	9+ 8CF	4	3	4+ 1CF	2	4+ 1CF	2+ 1CF	1		3+ 2CF	2	2	1	7+ 3CF	4+ 2CF	2	2+ 1CF	1HH 1OH	1VH	1	63	38	101
<b>TOTAL</b>	<b>40</b>	<b>23</b>	<b>6</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>2</b>		<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>16</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>94</b>	<b>56</b>	<b>150</b>



**PC. NO. 08 ASSISTANT EXECUTIVE ENGINEER (AGRICULTURE) IN I& CAD DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS	TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	G	W	
I	8	5	3	1	2	1	2	1	1			1		1	3	2	2	1	1HH	1VH		22	14	36
II	16	8	4	2	3	2	3	2	1		2	2	1	1	6	3	2	2	1HH 1OH	1VH	1	41	23	64
<b>TOTAL</b>	<b>24</b>	<b>13</b>	<b>7</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>63</b>	<b>37</b>	<b>100</b>

**PC. NO.09:- ASSISTANT EXECUTIVE ENGINEER (MECHANICAL) IN GROUND WATER DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		TOTAL		GRAND TOTAL	
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W		
I	1*																					1		1
II		1														1							2	2
<b>TOTAL</b>	<b>1</b>	<b>1</b>														<b>1</b>						<b>1</b>	<b>2</b>	<b>3</b>

\*As per requisition form in Multi-Zone-I, the cadre strength is only one (1) Department proposed as OC General

**PC. NO. 10:- ASSISTANT EXECUTIVE ENGINEER (CIVIL) IN TRANSPORT, ROAD & BUILDING DEPARTMENT**

MULTI ZONE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		SPORTS		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
I	17	8+ 2CF	4	3	4	2	3	2	1		3	2	2	1+ 1CF	6	4	2	2	1(HH)	1VH	1	45	29	74	
																		1(OH)	1HH (CF)						
II	17+ 1CF	8+ 1CF	4	3	3	2	3	2	1		2	2	1	1	6	4	2	2	1VH (CF)	1VH	1	44	27	71	
																		1 HH							
																		1 OH	1HH (CF)						
<b>TOTAL</b>	<b>35</b>	<b>19</b>	<b>8</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>2</b>		<b>5</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>12</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>89</b>	<b>56</b>	<b>145</b>	

**PC. NO. 11:- ASSISTANT EXECUTIVE ENGINEER (ELECTRICAL) IN TRANSPORT, ROAD & BUILDING DEPARTMENT**

STATE CADRE	OC		EWS		BC-A		BC-B		BC-C		BC-D		BC-E		SC		ST		PH		TOTAL		GRAND TOTAL
	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	G	W	
		3+ 2CF	1		1	1					1			1	1			1CF			8	5	13
<b>TOTAL</b>	<b>5</b>	<b>1</b>		<b>1</b>	<b>1</b>				<b>1</b>			<b>1</b>		<b>1</b>	<b>1</b>			<b>1</b>			<b>8</b>	<b>5</b>	<b>13</b>

**ANNEXURE-II**

**LIST OF BANKS FOR MAKING ONLINE PAYMENT**

<b>Sl. No.</b>	<b>Name of the Bank</b>
1	Andhra Pragathi Grameena Bank
2	A U Small Finance Bank
3	Bandhan Bank
4	Bank of Bahrain and Kuwait
5	Bank of Baroda
6	Bank of India
7	Bank of Maharashtra
8	Bassien Catholic Coop Bank
9	Canara Bank
10	Capital Small Finance Bank
11	Catholic Syrian Bank
12	Central Bank of India
13	City Union Bank
14	Cosmos Bank
15	DCB Bank
16	Deutsche Bank
17	Dhanlakshmi Bank
18	Digibank by DBS
19	Equitas Small Finance Bank
20	ESAF Small Finance Bank
21	Federal Bank
22	Fincare Bank
23	Gujarat State Co-operative Bank Limited
24	HDFC Bank
25	HSBC Retail Net Banking
26	ICICI Bank
27	IDBI Bank
28	IDFC FIRST Bank
29	Indian Bank
30	Indian Overseas Bank
31	Indus-Ind Bank
32	Jammu & Kashmir Bank
33	Jana Small Finance Bank
34	Janata Sahakari Bank Ltd Pune

<b>Sl. No.</b>	<b>Name of the Bank</b>
35	Kalyan Janata Sahakari Bank
36	Karnataka Bank Ltd
37	Karnataka Gramin Bank
38	Karnataka Vikas Grameena Bank
39	Karur Vysya Bank
40	Kotak Bank
41	Laxmi Vilas Bank
42	Maharashtra Gramin Bank
43	Mehsana urban Co-op Bank
44	NKGSB Co-op Bank
45	North East Small Finance Bank Ltd
46	Nutan Nagarik Sahakari Bank Limited
47	Punjab & Sind Bank
48	Punjab National Bank
49	RBL Bank Limited
50	Saraswat Bank
51	SBM Bank India
52	Shivalik Mercantile Cooperative Bank Ltd
53	South Indian Bank
54	State Bank of India
55	SVC Co-operative Bank Ltd
56	Tamil Nadu State Co-operative Bank
57	Tamilnad Mercantile Bank Ltd.
58	The Kalupur Commercial Co-Operative Bank
59	The Surat People's Co-operative Bank Limited
60	The Sutex Co-op Bank Ltd
61	T J S B Bank
62	UCO Bank
63	Union Bank of India
64	Utkarsh Small Finance Bank
65	Varachha Co-operative Bank Limited
66	YES Bank Ltd
67	Zoroastrian Co-Operative Bank Ltd

**ANNEXURE-III****SCHEME AND SYLLABUS FOR RECRUITMENT TO THE POSTS OF ASSISTANT  
EXECUTIVE ENGINEERS IN VARIOUS ENGINEERING SERVICES  
NOTIFICATION NO. 12/2022, DATED: 03/09/2022****Scheme of Examination**

<b>WRITTEN EXAMINATION (Objective Type)</b>	<b>No. of Questions</b>	<b>Duration (Minutes)</b>	<b>Maximum Marks</b>
<b>Paper-I: General Studies and General Abilities</b>	150	150	150
<b>Paper-II: Civil Engineering (Degree Level) OR Mechanical Engineering (Degree Level) OR Electrical and Electronics Engineering (Degree Level) OR Agricultural Engineering(Degree Level)</b>	150	150	300
<b>Total</b>			<b>450</b>

<b>Name of the Papers</b>	<b>Language Of Examination</b>
PAPER-I: General Studies and General Abilities	Bilingual i.e., English and Telugu
PAPER-II: Concerned Subject	English Only

**Syllabus****PAPER-I: GENERAL STUDIES AND GENERAL ABILITIES**

1. Current affairs – Regional, National and International.
2. International Relations and Events.
3. General Science; India's Achievements in Science and Technology.
4. Environmental issues; Disaster Management- Prevention and Mitigation Strategies.
5. Economic and Social Development of India and Telangana.
6. Physical, Social and Economic Geography of India.
7. Physical, Social and Economic Geography and Demography of Telangana.
8. Socio-economic, Political and Cultural History of Modern India with special emphasis on Indian National Movement.
9. Socio-economic, Political and Cultural History of Telangana with special emphasis on Telangana Statehood Movement and formation of Telangana state.
10. Indian Constitution; Indian Political System; Governance and Public Policy.
11. Social Exclusion; Rights issues such as Gender, Caste, Tribe, Disability etc. and inclusive policies.
12. Society, Culture, Heritage, Arts and Literature of Telangana.
13. Policies of Telangana State.
14. Logical Reasoning; Analytical Ability and Data Interpretation.
15. Basic English. (10<sup>th</sup> class Standard)

**PAPER-II CIVIL ENGINEERING (DEGREE LEVEL)**

**1. Building Materials And Construction:**

Bricks– Types of Bricks, Indian standard classification, properties; Stones – Types of stones, classification, properties, dressing and polishing of stones; Methods of Quarrying; Cement – Different grades and types of cement, properties and IS specifications; Aggregates – coarse and fine aggregate, properties and IS specifications; Cement Mortar – Proportions of cement mortar for various applications; Concrete – Constituents of Concrete, Different grades of Concrete, mix proportioning using IS Code, Properties of fresh and hardened Concrete; Admixtures – Types of Admixtures.

**2. Strength of Materials And Theory of Structures:**

Strength of Materials: Simple stresses and strains, elastic constants and relationship between them; Compound bars; Temperature stresses; Shear forces and bending moment diagrams for beams; Principal stresses and Mohr's circle of stress, Theory of bending and bending stresses; Shear stress distribution; Theory of torsion; Springs; Deflections of beams; Thin and thick cylinders;; Analysis of trusses, Betti-Maxwell theorem; Shear centre and unsymmetrical bending.

Theory of Structures: Direct and bending stresses; Columns and struts; Strain energy method; Moving loads and influence lines; Arches and suspension bridges; Static and kinematic indeterminacy; Moment distribution, Slope deflection, and Kani's methods applied to continuous beams and portal frames; matrix methods of analysis.

**3. Cement Concrete and Steel Structures:**

Concrete Structures: Materials, permissible stresses and IS Specifications; Working stress methods; Limit State Method - Stress Blocks parameters, design of Beams, Slabs, Columns and Footing; Design for Shear and Torsion; Design of Retaining Walls, Water tanks, and T-Beam Slab bridges; Yield line theory.

Steel Structures: Properties of steel sections, permissible stresses, IS Specifications; Riveted and welded joints and connections; Design of simple and compound Beams and Columns, Column bases, Roof trusses, Plate and Gantry Girders; Plate Girder Lattice Girder Railway bridges, and Bearings. Plastic analysis.

Pre-Stressed Concrete: Basic concepts, material for pre-stressing, losses in Pre-stress, classification of pre-stressing system; Analysis of PSC Sections.

**4. Fluid Mechanics and Hydraulics:**

Fluid Properties; Measurement of Pressure - Manometers; Fluid Kinematics – Classification of Fluids, Stream function and Velocity potential, significance and use of Flownets, Fluid dynamics - Continuity equation, Bernoulli's equations and Impulse momentum equation; Laminar and Turbulent flow through pipes – significance of Reynolds number, Hagen – Poiseuille's equation, Darcy – Weisbach equation, Friction factor, Water hammer concepts; Compressible flow – Bernoulli's equation for Isothermal and Adiabatic conditions, Mach Number, Mach cone, stagnation properties; Steady uniform flow through open channels; Gradually varied flows – significance of Froude number, classification and computation of Flow profiles, Hydraulic jump, Surges; Boundary layer – Laminar and Turbulent Boundary layer, Boundary layer thickness, rough and smooth Boundaries, Boundary layer separation; Dimensional analysis and similarity laws; Hydraulic Turbines – classification, Velocity triangles, principles and design of reaction and impulse turbines; Centrifugal pumps – specific speed, work done and efficiency, characteristic curves.

**5. Hydrology and Water Resources Engineering:**

Hydrological cycle; Rainfall – types and measurement, network design; Infiltration -  $\phi$ -index; Runoff – process, factors and determination of runoff, dependable yield; Floods – flood hydrograph, computation of flood peak using rational formula, unit hydrograph method and Gumbel's extreme value methods; Groundwater – types of aquifer and properties, Darcy's law, specific yield, steady radial flow to wells in confined and unconfined aquifers; Irrigation – types and advantages, soil water plant relationship, consumptive use, duty, delta, base period, crops and their water requirements; Single and multipurpose projects; Dams – classification, forces and design of Gravity dam and Earth dam; Spillways – types, energy dissipation, stilling basin, Appurtenances; Canals – alignment, Kennedy's and Lacey's theories, lining of Canals; Weirs – components, design of vertical drop and sloping glacis weir; Seepage forces – Bligh's Theory, Khosla's theory; Canal falls – types and design principles; Cross drainage works – classification and design principles of aqueducts; Hydropower principles – classification and components of Hydroelectric power plants.

**6. Environmental Engineering:**

Water supply – objectives, rate of demand, population forecasts; Analysis of water – classification, design of coagulation, sedimentation, filtration, disinfection and softening processes; Methods of layout of distribution pipes – Hardy cross method; Waste water

engineering – systems of sewerage, hydraulic formulae and design of sewers, BOD, COD, self purification of natural streams, methods of sewage disposal; Treatment of sewage – principles and design of grit chamber, sedimentation tanks, trickling filters, activated sludge process, sludge digestion tanks, septic tanks; Municipal solid waste – characteristics, collection and transportation of solid wastes; Air Pollution – types and sources of pollutants, air quality standards; Noise pollution – Impacts and permissible limits, measurement and control of noise pollution.

**7. Transportation Engineering:**

Highway Classification as per IRC; Highway alignment; Engineering Surveys; Geometric Design; Cross sectional elements of road; Gradient; Grade compensation; Traffic Surveys – speed, Volumes, origin and destination; Intersection – at grade and grade separated; Channelization; Rotary intersection; signal design – Webster method, traffic signs, pavement marking; Parking studies, accidental studies, pavement types, Factors considered for pavement design, flexible and rigid pavements design concepts.

Railway Engineering: Permanent way, rails, sleepers, ballast; Creep, coning of wheel, rail fixtures and fastenings, super elevation, cant deficiency, curves, turnout; Points and crossings.

Airport Engineering: Selection of site of Airport, runway orientation and design, wind rose diagram, basic runway length, correction to basic runway length.

**8. Soil Mechanics and Foundation Engineering:**

Soil Mechanics: Physical properties of soils, Classification and identification, Permeability, Capillarity, Seepage, Compaction, Consolidation, Shear Strength, Mohr's circle, Earth pressure, Slope stability;

Foundation Engineering: Site investigations, stress distribution in soils, Bearing capacity, Settlement analysis, Types of Foundation, Pile foundations, Foundations on expansive soils; swelling and its preventions; Cofferdams, Caissons, Dewatering, Bracing for excavations, Newmark charts, machine foundations.

Engineering Geology: Mineralogy, Structural Geology, Groundwater Exploration methods; Engineering Geology applications for Tunnels, Dams and Reservoirs; Geological hazards and preventive measures.

**9. Estimation, Costing and Construction Management:**

Abstract estimate: Detailed estimate – centerline, long & short wall method, various items of Civil Engineering works as per Indian Standard, General Specifications - Earth Work, Brick / Stone Masonry in Cement Mortar, RCC, Plastering in Cement Mortar, Floor finishes, white wash, colour wash; Standard schedule of rates, lead and lift, preparation of lead statement; Computation of earth work – Mid-ordinate, Mean Sectional area, Trapezoidal method, Prismoidal Rule; Approximate estimate – Plinth area and cubic rate estimate.

**10. Construction Management:**

Types of construction projects, Tendering and construction contracts, project planning and network analysis – PERT and CPM.

**11. Surveying:**

Principle and classification of surveying, chain surveying; Compass surveying; Levelling and contouring; Theodolite surveying; curves; Introduction and Fundamental concepts of electronic measuring instruments – EDM, Total station, components of GPS and basics of GIS.

**PAPER-II MECHANICAL ENGINEERING (DEGREE LEVEL)**

**Section I: Applied Mechanics and Design**

**Engineering Mechanics:** Free-body diagrams and equilibrium; Friction, rolling friction, belt – pulley, screw jack, wedge, Trusses and Frames; Virtual work; Kinematics and Dynamics of Particles and Rigid Bodies in Plane Motion; Impulse and Momentum (Linear and Angular) and Energy Formulations; Impact.

**Strength of Materials:** Stress and Strain, Stress-Strain Relationship and Elastic Constants, Poisson's Ratio; Mohr's Circle For Plane Stress and Plane Strain; Thin Cylinders; Shear Force and Bending Moment Diagrams; Bending And Shear Stresses; Deflection Of Beams; Torsion Of Circular Shafts; Euler's Theory Of Columns; Energy Methods; Thermal Stresses; Testing Of Materials with Universal Testing Machine (UTM); Hardness And Impact Strength.

**Theory of Machines:** Displacement, Velocity and Acceleration Analysis of Plane Mechanisms; Dynamic Analysis of Slider-Crank Mechanism; Gears and Gear Trains; Flywheels, Gyroscope and Governors; Balancing of Reciprocating and Rotating Masses.

**Vibrations:** Free and Forced Vibration of Single Degree of Freedom Systems, Effect of Damping; Vibration Isolation; Resonance; Critical Speeds of Shafts.

**Machine Design:** Design For Static and Dynamic Loading; Failure Theories; Fatigue Strength; S-N Diagram; Design of Machine Elements such as Bolted, Riveted and Welded Joints, Shafts, Spur Gears, Rolling and Sliding Contact Bearings, Springs, Brakes and Clutches.

## **Section II: Fluid Mechanics and Thermal Sciences**

**Fluid Mechanics:** Fluid Properties; Fluid Statics, Manometry, Buoyancy, Forces on Submerged Bodies, Stability of Floating Bodies; Fluid Acceleration; Differential Equations of Continuity and Momentum; Bernoulli's Equation; Viscous Flow of Incompressible Fluids, Boundary Layer, Elementary Turbulent Flow, Flow Through Pipes, Head Losses in Pipes and Bends.

**Heat-Transfer:** Modes of Heat Transfer; One Dimensional Heat Conduction, Resistance Concept, Electrical Analogy, Fins; Unsteady Heat Conduction, Dimensionless Parameters in Free and Forced Convective Heat Transfer, Various Correlations for Heat Transfer in Flow Over Flat Plates and Through Pipes, Effect of Turbulence; Radiative Heat Transfer, Black And Grey Surfaces, Shape Factors, Network Analysis, Heat Exchanger Performance, LMTD and NTU Methods.

**Thermodynamics:** Thermodynamic systems and processes; properties of pure substances, behavior of ideal and real gases; zeroth and first laws of thermodynamics, calculation of work and heat in various processes; second law of thermodynamics; thermodynamics property, availability and irreversibility; thermodynamic relations.

**Power Engineering:** Air compressors-Reciprocating and rotary compressors; Rankine, Brayton Cycles with Regeneration, Inter cooling and Reheat.

**I.C. Engines:** Air-standard Otto & Diesel Cycles, Combustion in S.I. & C.I. Engines, Performance & Testing of internal combustion engines.

**Refrigeration and Air-Conditioning:** Vapour Refrigeration Cycle, Heat Pumps, Gas Refrigeration; Reverse Brayton Cycle; Moist Air: Psychrometric Chart, Basic Psychrometric Processes.

**Turbomachinery:** Pelton Wheel, Francis and Kaplan Turbines, Impulse and Reaction Principles, Velocity Diagrams.

## **Section III: Materials, Manufacturing and Industrial Engineering**

**Engineering Materials:** Structure and Properties of Engineering Materials, Heat Treatment, Stress-Strain Diagrams for Engineering Materials, Iron-carbon diagram.

**Metal Casting:** Design of Patterns, Moulds and Cores; Solidification and Cooling; Riser and Gating Design.

**Metal Forming:** Plastic Deformation and Yield Criteria; Fundamentals of Hot and Cold Working Processes; Load Estimation for Bulk (Forging, Rolling, Extrusion, Drawing) and Sheet (Shearing, Deep Drawing, Bending) Metal Forming Processes; Principles of Powder Metallurgy.

**Joining Processes:** Principles (Gas, Arc, Resistance and Solid State) of Welding, Brazing,

Soldering; Adhesive Bonding.

**Machining and Machine Tool Operations:** Mechanics of Machining; Basic Machine Tools; Single and Multi-Point Cutting Tools, Tool Geometry and Materials, Tool Life and Tool Wear; Economics of Machining; Principles of Non-Traditional Machining Processes; Principles of Work Holding Devices, Principles of Jigs and Fixtures.

**Metrology and Inspection:** Limits, Fits and Tolerances; Linear and Angular Measurements; Comparators; Gauge; Interferometry; Form and Surface Finish Measurement; Alignment and Testing Methods; Tolerance Analysis in Manufacturing and Assembly.

**Computer Integrated Manufacturing:** Basic concepts of CAD/CAM and their integration tools.

**Production Planning and Control:** Forecasting Models, Aggregate Production Planning, Scheduling, Materials Requirement Planning.

**Inventory Control:** Deterministic Models; Safety Stock Inventory Control Systems.

**Operations Research:** Linear Programming, Simplex Method Transportation, Assignment, Simple Queuing Models, PERT and CPM.

## **PAPER.II ELECTRICAL AND ELECTRONICS ENGINEERING (DEGREE LEVEL)**

**1. Electric Circuits and Fields:** Network graph, KCL, KVL, node and mesh analysis, transient response of dc and ac networks; sinusoidal steady-state analysis, resonance, basic filter concepts; ideal current and voltage sources, Thevenin's, Norton's, Superposition, Maximum Power Transfer and Reciprocity theorems; two-port networks, three phase circuits; Star, Delta connections, Measurement of power in 3-phase by two-wattmeter method; Fourier, Laplace and Z transforms; Gauss Theorem, electric field and potential due to point, line, plane and spherical charge distributions; Ampere's and Biot-Savart's laws; inductance; dielectrics; capacitance.

**2. Electrical Machines:** Single phase transformer - equivalent circuit, phasor diagram, tests, regulation and efficiency; three phase transformers - connections, parallel operation; auto-transformer; energy conversion principles; DC machines - types, windings, generator and motor characteristics, losses and efficiency, armature reaction and commutation, starting and speed control of motors, tests; three phase induction motors - principles, types, performance characteristics, starting and speed control; single phase induction motors; synchronous machines - performance, regulation and parallel operation of alternators, motor starting, characteristics and applications; servo motors.

**3. Power Systems:** Basic power generation concepts, Economic aspects, Types of Tariffs; transmission line models and performance; cable performance, insulators, Sag and Tension; corona and radio interference; distribution systems; per-unit quantities; bus impedance and admittance matrices; load flow study; voltage control; power factor correction; economic operation; Load Frequency Control; symmetrical components; symmetrical & unsymmetrical fault analysis; principles of over-current, differential and distance protection; Generator protection, Transformer protection, Feeder protection, static relays; circuit breakers; Power system stability concepts, swing equation, power angle curve, solution of swing equation, equal area criterion.

**4. Control Systems:** Principles of feedback; transfer function; block diagrams; steady-state errors; Routh and Nyquist techniques; Bode plots; root loci; lag, lead and lead-lag compensation; state space model; state transition matrix, controllability and observability.

**5. Electrical and Electronic Measurements:** DC, AC Bridges, potentiometers; PMMC, moving iron, dynamometer and induction type instruments; measurement of voltage, current, power, energy and power factor; shunts, multipliers; instrument transformers; digital voltmeters, CRO; phase, time and frequency measurements using lissajous patterns; error analysis.

**6. Analog and Digital Electronics:** Characteristics of p-n junction diode, Zener diode, BJT, FET; amplifiers - biasing, equivalent circuit and frequency response; oscillators and feedback amplifiers; operational amplifiers - characteristics and applications; simple active filters; VCOs and timers; Boolean Algebra, minimization of switching functions combinational and sequential logic circuits; schmitt trigger, multi vibrators Flip flops, counters and registers, sample and hold circuits; A/D and D/A converters; microprocessor basics.(8085 & 8086), architecture, programming and interfacing, 8051 mc BASICS (Architectures. Addressing modes and instruction set).

**7. Power Electronics :** Semiconductor power diodes, transistors, thyristors, triacs, GTOs, MOSFETs and IGBTs - static characteristics and principles of operation; triggering circuits



commutation circuits; phase control rectifiers; bridge converters - fully controlled and half controlled; dual converters, principles of choppers, inverters, cyclo-converters and ac voltage controllers.

**8. Electric Drives:** Four quadrant operation, Types of loads, Energy loss during starting and braking of dc and ac motors, Types of braking in dc & ac motors, Basis concepts of converter and chopper fed dc drives; V/f control, static rotor resistance control and slip power recovery scheme of 3-phase induction motor drives.

**9. Utilization:** High frequency eddy current heating, dielectric heating, Arc furnace, electric arc welding & electric resistance welding, Illumination: Laws of illumination, MSCP, SV & MV lamps, Factory, street & flood lighting, Electric traction and track electrification, Speed-time curves, Tractive effort, Specific energy consumption, Mechanism of train movement, adhesive weight and coefficient of adhesion. DC motor series parallel control, energy saving.

### **PAPER-II AGRICULTURAL ENGINEERING (DEGREE LEVEL)**

1. **Surveying and Levelling:** Classification and basic principles of surveying, Linear measurements. Chain surveying. Cross staff survey, Compass survey. Planimeter, Errors in measurements, their elimination and correction. Plane table surveying. Levelling, Levelling difficulties and error in levelling, Contouring, Computation of area and volume. Theodolite traversing. Introduction to setting of curves. Total station, Electronic Theodolite. Introduction to GPS survey
2. **Fluid mechanics and Open Channel Hydraulics:** Properties of fluids: Ideal and real fluid. Pressure and its measurement, Pascal's law, pressure forces on plane and curved surfaces, centre of pressure, buoyancy, meta centre and meta centric height, condition of floatation and stability of submerged and floating bodies; Kinematics of fluid flow: Lagrangian and Eulerian description of fluid motion, continuity equation, path lines, streak lines and stream lines, stream function, velocity potential and flow net. Types of fluid flow, translation, rotation, circulation and vorticity, Dynamics of fluid flow, Bernoulli's theorem, venturimeter, orifice meter and nozzle, siphon; Laminar flow: Stress strain relationships, flow between infinite parallel plates both plates fixed, one plate moving, discharge, average velocity; Laminar and turbulent flow in pipes, general equation for head loss Darcy, Equation, Moody's diagram, Minor and major hydraulic losses through pipes and fittings, flow through network of pipes, hydraulic gradient and energy gradient; Flow through orifices (Measurement of Discharge, Measurement of Time), Flow through Mouthpieces, Flow over Notches, Flow over weirs, Chezy's formula for loss of head in pipes, Flow through simple and compound pipes, Open channel design and hydraulics: Chezy's formula, Bazin's formula, Kutter's Manning's formula, Velocity and Pressure profiles in open channels, Hydraulic jump; Dimensional analysis and similitude: Rayleigh's method and Buckingham's 'Pi' theorem, types of similarities, dimensional analysis, dimensionless numbers. Introduction to fluid machinery.
3. **Soil Mechanics:** Introduction of soil mechanics, field of soil mechanics, phase diagram, physical and index properties of soil, classification of soils, effective and neutral stress, elementary concept of Boussinesq and Westergaard's analysis, newmark influence chart. Seepage Analysis; Quick condition-two dimensional flow-Laplace equation, Velocity potential and stream function, Flow net construction. Shear strength, Mohr stress circle, theoretical relationship between principal stress circle, theoretical relationship between principal stress, Mohr coulomb failure theory, effective stress principle. Determination of shear parameters by direct shear test, triangle test & vane shear test. Numerical exercise based on various types of tests. Compaction, composition of soils standard and modified proctor test, abbot compaction and Jodhpur mini compaction test field compaction method and control. Consolidation of soil: Consolidation of soils, one dimensional consolidation spring analogy, Terzaghi's theory, Laboratory consolidation test, calculation of void ratio and coefficient of volume change, Taylor's and Casagrande's method, determination of coefficient of consolidation. Earth pressure: plastic equilibrium in soils, active and passive states, Rankine's theory of earth pressure, active and passive earth pressure for cohesive soils, simple numerical exercises. Stability of slopes: introduction to stability analysis of infinite and finite slopes friction circle method, Taylor's stability number.
4. **Strength of materials:** Slope and deflection of beams using integration techniques, moment area theorems and conjugate beam method. Columns and Struts. Riveted and welded connections. Stability of masonry dams. Analysis of statically indeterminate beams. Propped beams. Fixed and continuous beam analysis using superposition, three moment equation and moment distribution methods.

5. **Building Construction and Cost Estimation:** Building materials, building components, design procedures and construction. Types of agricultural buildings and related needs, sloped and flat roof buildings, construction economics. Preliminary estimates and detailed estimates of buildings. Use of cost analyses for controlling design.
6. **Watershed Hydrology:** Hydrologic cycle, precipitation and its forms, rainfall measurement and estimation of mean rainfall, frequency analysis of point rainfall. Mass curve, hyetograph, depth-area-duration curves and intensity-duration-frequency relationship. Hydrologic processes-Interception, infiltration. Evaporation - estimation and measurement. Runoff - measurement - discharge rating curve, estimation of peak runoff rate and volume - Rational method, Cook's method and SCS curve number method. Geomorphology of watersheds Linear, aerial and relief aspects of watershed, stream order, drainage density and stream frequency. Hydrograph - components, base flow separation, unit hydrograph theory, S-curve, synthetic hydrograph, applications and limitations. Stream gauging, discharge rating curves, flood peak, design flood and computation of probable flood. Flood routing, channel and reservoir routing. Drought classification, causes and impacts, drought management strategy.
7. **Groundwater, Wells and Pumps:** Movement of ground water, aquifers, wells, groundwater exploration techniques, tube well and gravel pack, well screen, development of well, groundwater hydraulics-determination of aquifer parameters by different method such as Theis, Jacob and Chow's, Theis recovery method, well interference, estimation of ground water potential, quality of ground water; artificial groundwater recharge techniques; pumping systems: water lifting devices; pumps, performance curves, capacity, head and power, effect of change of impeller dimensions on performance characteristics; hydraulic ram, propeller pumps, mixed flow pumps and their performance characteristics; deep well turbine pump and submersible pump.
8. **Irrigation and Drainage Engineering:** Measurement of irrigation water: weir, flumes and orifices and other methods; open channel water conveyance system, design and lining of irrigation field channels, on farm structures for water conveyance, control & distribution; Soil water plant relationships, consumptive use, GCA, CCA, duty, delta, base period, relationship between duty and delta, irrigation efficiency, crops and their water requirement underground pipe conveyance system: components and design; land grading: criteria for land levelling, land levelling design methods, estimation of earth work; soil water plant relationship, soil properties influencing irrigation management, soil water movement, infiltration, soil water potential, soil moisture characteristics, soil moisture constants, measurement of soil moisture, moisture stress and plant response; water requirement of crops: concept of evaporation, transpiration, evapotranspiration (ET), measurement and estimation of ET, water and irrigation requirement of crops, depth of irrigation, frequency of irrigation, irrigation efficiencies; surface methods of water application: border, check basin and furrow irrigation- adaptability, specification and design considerations, Water logging, causes and impacts, drainage, surface drainage coefficient, design of surface drains; sub-surface drainage: purpose and benefits, investigations of design parameters-hydraulic conductivity, drainable porosity, water table; derivation of Hooghoudt's and Ernst's drain spacing equations, design of subsurface drainage system; drainage structures, vertical drainage; mole drains; salt balance, reclamation of saline and alkaline soils, leaching requirements, conjunctive use of fresh and saline water.
9. **Sprinkler and Micro irrigation Systems:** Design of sprinkler irrigation system: layout selection, hydraulic design of lateral, sub-main and main pipe line, design steps; selection of pump and power unit for sprinkler irrigation system; performance evaluation of sprinkler irrigation system: uniformity coefficient and pattern efficiency; Micro Irrigation Systems: types-drip, spray, & bubbler systems, merits and demerits, different components; Design of drip irrigation system: general considerations, wetting patterns, irrigation requirement, emitter selection, hydraulics of drip irrigation system, design steps and fertigation.
10. **Soil and Water Conservation Engineering:** Soil erosion - Water erosion - Mechanics and forms - splash, sheet, rill, gully, ravine and stream bank erosion. Gullies - Classification, stages of development. Soil loss estimation - Universal soil loss equation (USLE) and modified USLE. Rainfall erosivity - estimation by  $KE > 25$  and  $EI_{30}$  methods. Soil erodibility - topography, crop management and conservation practice factors. Measurement of soil erosion - Runoff plots, soil samplers. Engineering measures, Bunds and terraces. Gully and ravine reclamation - principles of gully control - vegetative measures, temporary structures and diversion drains. Grassed waterways and design. Wind erosion.

11. **Watershed Planning and Management:** Watershed characteristics. Watershed development - problems and prospects, investigation, topographical survey, soil characteristics, vegetative cover, Watershed management, watershed planning, watershed codification, delineation and prioritization of watersheds – sediment yield index. Water budgeting - rainwater conservation technologies, water harvesting and recycling. Dry farming techniques, Integrated watershed management - agriculture and horticulture, non-arable lands, effect of cropping systems, land management and cultural practices on watershed hydrology. Watershed programme. Participatory watershed management. Planning and formulation of project proposal for watershed management programme including cost-benefit analysis.
12. **Water Harvesting and Soil Conservation Structures:** Water harvesting techniques. Structures - farm ponds - dug-out and embankment reservoir types, tanks and subsurface dykes. Percolation pond, Design considerations of *nala* bunds. Soil erosion control structures. Permanent structures for soil conservation and gully control - check dams, drop, chute and drop inlet spillways - design requirements, planning for design, design procedures - hydrologic, hydraulic and structural design and stability analysis. Hydraulic jump and its application. Drop spillway - applicability, types - straight drop, box-type inlet spillways, straight apron and stilling basin outlet, structural components and functions. Loads on head wall, variables affecting equivalent fluid pressure, triangular load diagram for various flow conditions, creep line theory, uplift pressure estimation, safety against sliding, overturning, crushing and tension. Chute spillway - description, components, energy dissipaters, design criteria of Saint Antony Falls (SAF) stilling basin and its limitations. Drop inlet spillway.
13. **Tractor Systems and Controls:** Study of clutch, Gear Box and differential system, need for a final drive, brake system, steering system. Ackerman steering. Steering systems in track type tractors. Study of Hydraulic system. Tractor power outlets, PTO, PTO standards, types and functional requirements. Traction. Theoretical calculation of shear force and rolling resistance on traction device. Study of wheels and tyres, traction aids, tractor mechanics – forces acting on the tractor. Determination of CG of a tractor. Static equilibrium, tractor stability especially at turns. Determination of maximum drawbar pull. Tractor as a spring-mass system. Ergonomic considerations and operational safety. Tractor testing. Deciphering the tractor test codes.
14. **Farm Machinery and Equipment:** Classification of farm machines. Machines for various operations on the farm. Hitching systems and controls of farm machinery. Calculation of field capacities and field efficiency. Calculations for economics of machinery usage. Land reclamation and earth moving equipment. Machines used for primary tillage, secondary tillage, rotary tillage, deep tillage and minimum tillage. Measurement of draft of tillage tools and calculations for power requirement for the tillage machines. Sowing, planting & transplanting equipment. Seed drills, no-till drills, and strip-till drills. Planters, bed-planters and other planting equipment. Types of furrow openers and metering systems Calibration of seed-drills/ planters. Adjustments during operation. Materials used in construction of farm machines. Heat treatment processes and their requirement in farm machines. Properties of materials used for critical and functional components of agricultural machines Plant protection equipment. Types of nozzles. calibration of sprayers and chemical application rates. Weeders. Fertilizer application equipment. Harvesting operations, mowers, shear type harvesting devices, cutter bar, inertial forces, counter balancing, terminology, cutting pattern. Reapers, binders and windrowers. Hay conditioning, Threshing systems, Threshing drums. Threshers. Grain combines, Material flow in combines. Computation of combine losses. Chaff cutters. straw combines. Root crop diggers, Potato and groundnut diggers. Cotton harvesting mechanisms, Cotton pickers and strippers, functional components. Maize harvesting combines. Vegetables and fruit harvesting equipment and tools.
15. **Post Harvest Engineering of Cereals, Pulses and Oil Seeds:** Cleaning and grading, aspiration, scalping. Separators. Size reduction principles - Bond's law, Kick's law, Rittinger's law. Size reduction machinery: Jaw crusher, Hammer mill, Plate mill, Ball mill. Material handling equipment. Conveyors: Belt, roller, chain and screw. Elevators: bucket, Cranes & hoists. Trucks (refrigerated/ unrefrigerated), Pneumatic conveying. Drying theory, EMC determination, Psychrometric chart in drying, Thin layer and deep bed drying analysis, Falling rate and constant rate drying periods, maximum and decreasing drying rate period, drying equations, Mass and energy balance, Shedd's equation, Dryer performance, Methods of drying. Grain dryers. mixing theory. Mixing index, types of mixers for solids, liquid foods and pastes. Milling of rice: Conditioning and parboiling, CFTRI and Jadavpur methods, Pressure parboiling method, Types of rice mills, Modern rice milling,

different unit operations and equipment. Milling of wheat, unit operations and equipment. Milling of pulses, dry milling and wet milling methods: CFTRI and Pantnagar methods. Pulse milling machines, Milling of corn and its products. Milling of oilseeds: mechanical expression, screw press, hydraulic press, solvent extraction methods, preconditioning of oilseeds, refining of oil, stabilization of rice bran., Extrusion cooking, single and twin-screw extruders. By-products utilization.

- 16. Dairy and Food Engineering:** Deterioration in food products and their controls, Physical, chemical and biological methods of food preservation. Properties of milk and milk products. Principles and equipment related to milk receiving, pasteurization, sterilization, homogenization, centrifugation and cream separation. Manufacture of cheese, *paneer*, butter and ice cream, Filling and packaging of milk and milk products; Dairy plant design and layout, Plant utilities; Thermal processing, canning, aseptic processing, Evaporation of food products: Evaporators, steam economy, multiple effect evaporators, vapour recompression, Drying of liquid and perishable foods: spray drying, drum drying, freeze drying, Filtration: principle, types of filters; Membrane separation, RO, Nano-filtration, Ultra filtration and Macro-filtration, equipment and applications, Non-thermal and other alternate thermal processing in Food processing.
- 17. Fundamentals of Renewable Energy Sources:** Classification, Solar, Wind, Geothermal, Biomass, Ocean energy sources, Solar Energy -Flat plate and Concentrating collectors, different solar thermal devices, Principle of natural and forced convection drying system, Solar Photo voltaics: p-n junctions. Solar cells, PV systems, stand alone, Grid connected solar power station, Calculation of energy through photovoltaic power generation and cost economics. Wind Energy - Basis of Wind energy conversion, Effect of density, Frequency variances, Angle of attack, Wind speed, Types of windmill rotors, Determination of torque coefficient, Induction type generators, working principle of wind power plant. Bio-energy - Pyrolysis of Biomass to produce solid, liquid and gaseous fuels. Biomass gasification, Types of gasifiers, Biogas - biogas plants, biogas generation, design considerations.

## ANNEXURE – IV

### INSTRUCTIONS TO CANDIDATES:

#### **A) GENERAL INSTRUCTIONS TO CANDIDATES**

- 1) Candidates are directed to follow the Commission's Website ([www.tspsc.gov.in](http://www.tspsc.gov.in)) regularly to Know the latest developments regarding the Recruitment, dates of Examination, calling of candidates for verification of Certificates/ Medical Boards, Results etc.
- 2) **EDIT OPTION TO THE CANDIDATES:** The applicants should follow the TSPSC website regularly to utilize the edit option to rectify the mistakes viz., Biodata particulars/Data corrections / Omissions etc., in the application, if the facility is given by the Commission. If the edit option facility is not utilized by the candidates, the TSPSC is not responsible and the data already available is treated as final. After the due date, Data corrections through Online/Paper representations or Corrections on the Nominal Rolls in the examination hall will not be accepted under any circumstances. No correspondence will be entertained in this matter.
- 3) The candidates must note that his/her admission to the examination is strictly provisional. The mere fact that an Admission to the examination does not imply that his/her candidature has been finally cleared by the Commission or that the entries made by the candidate in his/her application have been accepted by the Commission as true and correct. The candidates have to be found suitable after verification of original certificates; and other eligibility criteria. The Applicants have to upload his/her scanned recent colour passport photo and signature to the Application Form. Failure to produce the same photograph, if required, at the time of verification, may lead to disqualification.
- 4) The candidates are not allowed to bring any Electronic devices such as Smart / Mobile phones, Calculators, tablets, iPad, Bluetooth, pagers, watches to examination centre. Loaning and interchanging of articles among the candidates is not permitted in the examination hall and any form of malpractice will not be permitted in the exam hall.
- 5) The candidates are expected to behave in an orderly and disciplined manner while writing the examination. If any candidate takes away Answer Sheet of OMR based examination, the candidature will be rejected. In case of impersonation/ disorder/ rowdy behavior during Examination, cases shall be booked in the Police Station concerned, apart from disqualifying his / her candidature.
- 6) Candidates trying to use unfair means shall be disqualified from the selection. No correspondence whatsoever will be entertained from the candidates.
- 7) The Commission is also empowered to invoke the penal provisions of the T.S. Public Examinations (Prevention of Malpractices and Unfair means) Act, 1997 (Act No.25/1997) for matters connected therewith or incidental thereto and as per the Rules of Procedure of TSPSC published in Telangana Gazette No: 60 dated 28/12/2015 in respect of this Notification.
- 8) (i) The candidates who are totally blind are allowed to write the examination with the help of scribe provided by TSPSC and 20 minutes extra time is permitted to them per hour.  
 (ii) Scribe will be provided by TSPSC to those candidates who do not have both the upper limbs for Orthopedically Handicapped. However, no extra time will be granted to them.  
 (iii) An extra time of 20 minutes per hour is also permitted for the candidates with locomotor disability and CEREBRAL PALSY where dominant (writing) extremity is affected for the extent slowing the performance of function (Minimum of 40% impairment). Scribe is allowed to such candidates also.  
 (iv) The scribe should be from an academic discipline other than that of the candidate and the academic qualification of the scribe should be one grade lower than the stipulated eligibility criteria.  
 (v) The candidate as well as the scribe will have to give a suitable undertaking confirming the rules applicable.

#### **B) INSTRUCTIONS TO CANDIDATES REGARDING OMR BASED EXAMINATION**

- 1) The candidates have to report to the examination venue at least 30 minutes before the commencement of examination, to record their Photo Image/thumb impression on Biometric system.
- 2) The candidate should satisfy the Invigilator of his identity with reference to the Signature and Photograph available on the Nominal Roll and Hall Ticket.
- 3) The candidates should go through the instructions given on the cover page of test booklet and OMR Answer Sheet which will be provided to him/her in the examination hall and carefully write his/her Hall Ticket Number, Subject / Paper Code, Booklet Series, Name of the Examination Centre etc., on the OMR Answer Sheet.

- 4) The candidates have to USE BALL POINT PEN (BLUE/BLACK) ONLY to fill up relevant columns on the Answer Sheet including MARKING OF THE ANSWERS. Bubbling by Pencil / Ink Pen / Gel Pen is not permitted in the examination.
- 5) The candidate must write **all the relevant columns in the Answer sheet and also encode (bubble) correctly such as all Ticket Number, Question Booklet Series, Paper Code, Venue Code** on the OMR Answer Sheet carefully and to **Sign in the space provided for on Side-1 of the Answer Sheet** and ensure the Signature of the Invigilator, etc., on it, failing which the Answer sheet will be rejected. Use of whitener / eraser / chalk-powder etc., is strictly prohibited on the OMR Answer sheet/ Question Paper.
- 6) The OMR Answer sheets are to be scanned (valued) with Optical Mark Reader. The Digital copy of OMR Answer Sheets will be made available on the Commission's website immediately after completion of the image scanning.
- 7) No candidate should leave the examination hall till expiry of fulltime. After writing the examination the candidate has to handover the OMR Answer sheet to the invigilator in the examination hall. If any candidate takes away the OMR Answer sheet, his/her candidature will be rejected.
- 8) The Commission would be analyzing the responses of a candidate with other appeared candidates to detect patterns of similarity. If it is suspected that the responses have been shared and the scores obtained are not genuine/ valid, the Commission will invalidate the OMR Answer Sheet and cancel his/ her candidature.

### **C) INSTRUCTIONS FOR CANDIDATES REGARDING CBRT EXAMINATION**

- 1) Candidates shall report at the venue one hour (60 minutes) before the Commencement of Examination as the candidates have to undergo certain procedural formalities required for CBRT examination.
- 2) Date and Time of the Examination are mentioned in the Hall-Ticket
- 3) The examination link with the login screen will already be available on your system. Please inform the invigilator if this is not the case.
- 4) 10 minutes prior to the exam, you'll be prompted to login. Please type the Login ID (H T No.) and the Password (Password for Candidate will be given on exam day) to proceed further.
- 5) Invigilator will announce the password at 09.50 AM and 02.20 PM **in cases if** Examination is at 10:00 A.M and 2:30 P.M respectively.
- 6) Copying or noting down questions and/or options is not allowed. Severe action will be taken if any candidate is found noting down the questions and/or options.
- 7) After logging in, the following will be displayed on your Computer screen:
  - Profile Information - Check the details & click on "I Confirm" or "I Deny".
  - Detailed exam instructions - Please read and understand thoroughly.
  - Please click on the "I am ready to Begin" button.
- 8) After reading the instructions, you have to use the mouse to answer the multiple-choice type questions having FOUR alternative answer choices.
- 9) To answer any numerical answer type question, you need to use the virtual numeric key pad and the mouse.
- 10) On the online exam question screen, the timer will display the balance time remaining for the completion of exam.
- 11) The question numbers are color coded and of different shapes based on the process of recording your response:
  - White (Square) - For un-attempted questions.
  - Red (Inverted Pentagon) - For unanswered questions.
  - Green (Pentagon) - For attempted questions.
  - Violet (Circle) - Question marked by candidate for review to be answered later.
  - Violet (Circle with a Tick mark) - Question answered but marked by candidate for review.
- 12) After answering a question, click the SAVE & NEXT button to save your response and move onto the next question.
- 13) Click on Mark for Review & NEXT to mark your question for review, and then go to the next question.
- 14) To clear any answer chosen for a particular question, please click on the CLEAR RESPONSE button.
- 15) A summary of each section, (i.e. questions answered, not answered, marked for review) is available for each section. You have to place the cursor over the section name for this summary.
- 16) In case you wish to view a larger font size, please inform the Invigilator. On the Invigilator's confirmation, click on the font size you wish to select. The font size will be visible on the top.
- 17) You may view INSTRUCTIONS at any point of time during exam, by clicking on the INSTRUCTIONS button on your screen.
- 18) The SUBMIT button will be activated after 150 Minutes. It will continue for an additional 50 Minutes for PH candidates eligible for compensatory time. Please keep checking the timer on your screen.
- 19) In case of automatic or emergency log out, all your attempted questions and their responses will be saved. And also, the exam will start from the time where it had stopped.

- 20) You will be provided a blank sheet for rough work. Do write your Login ID and Password on it. Please ensure that you return it to the invigilator at the end of the exam after tearing ONLY the password from it.
- 21) Please don't touch the key board as your exam ID will get locked. If your ID gets locked, please inform your invigilator who will help in unlocking your ID and then you can continue with the exam.
- 22) Please inform the invigilator in case of any technical issues.
- 23) Please do not talk to or disturb other candidates.
- 24) In case you are carrying articles other than the admit card, photo identity proof and pen, please leave them outside the exam room.
- 25) These are model instructions and candidates have to follow latest instructions issued along with Hall tickets

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**ANNEXURE-V****LIST OF SCHEDULED CASTES AND SCHEDULED TRIBES**

(G.O. MS. NO. 5 Scheduled Castes Development (POA.A2) Dept., Dt. 08/08/2015 read with G.O. Ms. No. 11, Scheduled Castes Development (POA.A2) Dept., Dt. 17/09/2014 and G.O. Ms. No. 2 Scheduled Castes Development (POA.A2) Dept., Dt. 22.01.2015)

**LIST OF SCHEDULED CASTES**

1. Adi Andhra
2. Adi Dravida
3. Anamuk
4. Aray Mala
5. Arundhatiya
6. Arwa Mala
7. Bariki
8. Bavuri
9. Beda (Budga) Jangam
10. Bindla
11. Byagara, Byagari
12. Chachati
13. Chalavadi
14. Chamar, Mochi, Muchi, Chamar-Ravidas, Chamar- Rohidas
15. Chambhar
16. Chandala
17. Dakkal, Dokkalwar
18. Dandasi
19. Dhor
20. Dom, Dombara, Paidi, Pano
21. Ellamalawar, Yellammalawandlu
22. Ghasi, Haddi, Relli, Chanchandi
23. Godari
24. Gosangi
25. Holey a
26. Holey a Dasari
27. Jaggali
28. Jambuvulu
29. Kolupulvandlu, Pambada, Pambanda, Pambala
30. Madasi Kuruva, Madari Kuruva
31. Madiga
32. Madiga Dasu, Mashteen
33. Mahar
34. Mala, Mala Ayawaru
35. Mala Dasari
36. Mala Dasu
37. Mala Hannai
38. Malajangam
39. Mala Masti
40. Mala Sale, Nethani
41. Mala Sanyasi
42. Mang
43. Mang Garodi
44. Manne
45. Mashti
46. Matangi
47. Mehtar
48. Mitha Ayyalvar
49. Mundala
50. Paky, Moti, Thoti
51. Pamidi
52. Panchama, Pariah
53. Relli
54. Samagara
55. Samban
56. Sapru
57. Sindhollu, Chindollu
58. Yatala
59. Valluvan



**LIST OF SCHEDULED TRIBES**

1. Andh, Sadhu Andh
2. Bagata
3. Bhil
4. Chenchu
5. Gadabas, Bodo Gadaba, Gutob Gadaba, Kallayi Gadaba, Parangi Gadaba, Kathera Gadaba, Kapu Gadaba
6. Gond, Naikpod, Rajgond, Koitur
7. Goudu (in the Agency tracts)
8. Hill Reddis
9. Jatapus
10. Kammara
11. Kattunayakan
12. Kolam, Kolawar
13. Konda Dhoras, Kubi
14. Konda Kapus
15. Kondareddis
16. Kondhs, Kodi, Kodhu, Desaya Kondhs, Dongria Kondhs, Kuttiya Kondhs, Tikiria Kondhs, Yenity Kondhs, Kuvinga
17. Kotia, Bentho Oriya, Bartika, Dulia, Holya, Sanrona, Sidhopaiko
18. Koya, Doli Koya, Gutta Koya, Kammara Koya, Musara Koya, Oddi Koya, Pattidi Koya, Rajah, Rasha Koya, Lingadhari Koya (ordinary), Kottu Koya, Bhine Koya, Rajkoya
19. Kulia
20. Manna Dhora
21. Mukha Dhora, Nooka Dhora
22. Nayaks (in the Agency tracts)
23. Pardhan
24. Porja, Parangiperja
25. Reddi Dhoras
26. Rona, Rena
27. Savaras, Kapu Savaras, Maliya Savaras, Khutto Savaras
28. Sugalis, Lambadis, Banjara
29. Thoti (in Adilabad, Hyderabad, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad and Warangal districts)
30. Yenadis, Chella Yenadi, Kappala Yenadi, Manchi Yenadi, Reddi Yenadi
31. Yerukulas, Koracha, Dabba Yerukula, Kunchapuri Yerukula, Uppu Yerukula
32. Nakkala, Kurvikaran.

**LIST OF SOCIALLY AND EDUCATIONALLY BACKWARD CLASSES**

As per G.O. Ms. No. 16 Backward Classes Welfare (OP) Department, Dated:11.03.2015 and read with G.O.MS.No. 34, Backward Classes Welfare (OP) Department, Dated: 08/10/2015, G.O. Ms. No. 4 Backward Classes Welfare (OP) Department, Dated: 30/01/2016, G.O.Ms.No. 3 Backward Classes Welfare (B) Department, Dated: 09-09-2020

**STATE LIST OF BCs  
(List of Backward Classes of Telangana State)  
GROUP-A**

**(Aboriginal Tribes, Vimuktha Jathis, Nomadic and Semi-Nomadic Tribes etc.)**

- 1 Agnikulakshatriya, Palli, Vadabaliya, Bestha, Jalari, Gangavar, Gangaputra, Goondla, Vanyakulakshatriya (Vannekapu, Vannerreddi, Pallikapu, Pallireddi) Neyyala, Pattapu.
- 2 Balasanthu, Bahurupi
- 3 \*[Bandara]
- 4 Budabukkala
- 5 Rajaka (Chakali, Vannar)
- 6 Dasari (formerly engaged in Bikshatana i.e., Beggary)
- 7 Dommara
- 8 Gangiredlavaru
- 9 Jangam (whose traditional occupation is begging)
- 10 Jogi
- 11 Katipapala
- 12 \*[Korcha]
- 13 Lambada or Banjara in Telangana area (deleted and included in ST list vide. G.O.Ms.No.149, SW, Dt.03.05.1978)
- 14 Medari or Mahendra
- 15 Mondivaru, Mondibanda, Banda

- 16 Nayi-Brahmin/Nayee-Brahmin (Mangali), Mangala and Bhajantri
- 17 Nakkala (deleted vide. G.O.Ms.No.21, BCW (C2) Dept., Dt.20.06.2011, since it is included in the list of Scheduled Tribes at Sl.No.34 vide. Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 2002 (Central Act No.10 of 2003)
- 18 Vamsha Raj / Pitchiguntla
- 19 Pamula
- 20 Pardhi (Nirshikari)
- 21 Pambala
- 22 Peddammandlu, Devaravandlu, Yellammavandlu, Mutyalammavandlu, Dammali / Dammala / Dammula / Damala
- 23 Veeramushti (Nettikotala), Veerabhadreeya
- 24 Valmiki Boya (Boya, Bedar, Kirataka, Nishadi, Yellapi, Pedda Boya), Talayari, Chunduvallu (Yellapi and Yellapu are one and the same as clarified vide. G.O.Ms.No.61, BCW (M1) Dept., Dt.05.12.1996)
- 25 Yerukalas in Telangana area (deleted and included at Sl.No.31 in the list of STs)
- 26 Gudala
- 27 Kanjara – Bhatta
- 28 \*[Kalinga]
- 29 Kepmare or Reddika
- 30 Mondepatta
- 31 Nokkar
- 32 Pariki Muggula
- 33 Yata
- 34 Chopemari
- 35 Kaikadi
- 36 Joshinandiwalas
- 37 Odde (Oddilu, Vaddi, Vaddelu), Vaddera, Vaddabhovi, Vadiyaraj, Waddera
- 38 Mandula
- 39 Mehtar (Muslim)
- 40 Kunapuli
- 41 Patra
- 42 \*[Kurakula]
- 43 \*[Pondara]
- 44 \*[Samanthula /Samantha/ Sountia / Sauntia]
- 45 Pala-Ekari, Ekila, Vyakula, Ekiri, Nayanivaru, Palegaru, Tolagari, Kavali (area confined to Hyderabad and Rangareddy Districts only)
- 46 Rajannala, Rajannalu (area confined to Karimnagar, Warangal, Nizamabad and Adilabad Districts only)
- 47 Bukka Ayyavars
- 48 Gotrala
- 49 Kasikapadi / Kasikapudi (area confined to Hyderabad, Rangareddy, Nizamabad, Mahaboobnagar and Adilabad Districts only)
- 50 Siddula
- 51 Sikligar/ Saikalgar
- 52 Poosala (included vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 by deleting from Sl.No.24 under Group-D)
- 53 \*[Aasadula / Asadula]
- 54 \*[Keuta / Kevuto / Keviti]
- 55 Orphan and Destitute Children who have lost their parents before reaching the age of ten and are destitute; and who have nobody else to take care of them either by law or custom; and also who are admitted into any of the schools or orphanages run by the Government or recognised by the Government.
- 56 Addapuvaru
- 57 Bagothula/ Bhagavathula
- 58 Bail Kammara/ Ghisadi/ Gadiya Lohar
- 59 Enooti/ Yenativallu
- 60 Ganjikuti/ Ganjikutivaru
- 61 Gouda Jetty
- 62 Kakipadagala
- 63 Patamvaru/ Masaiahlu
- 64 Odd/ Od/ Oad
- 65 Sonnayila/ Sannayila/ Sannayollu
- 66 Sri Kshatriya Ramajogi/ Ramajogi/ Ramajogula
- 67 Theracheerala/ Telsoori/ Baikani
- 68 Tholubommalatavaru/ Boppala

**GROUP-B**  
**(Vocational Groups)**

- 1 \*[Achukatlavandlu]
- 2 Aryakshatriya, Chittari, Giniyar, Chitrakara, Nakhas
- 3 Devanga
- 4 Goud [Ediga, Gouda (Gamalla), Kalalee, Gounda, **[\*Settibalija of Visakhapatnam, East Godavari, West Godavari and Krishna districts]** and Srisayana (Segidi)
- 5 Dudekula, Laddaf, Pinjari or Noorbash
- 6 Gandla, Telikula, Devathilakula
- 7 Jandra
- 8 Kummara or Kulala, Salivahana
- 9 Karikalabhakthulu, Kaikolan or Kaikala (Sengundam or Sengunther)
- 10 Karnabhakthulu
- 11 Kuruba or Kuruma
- 12 \*[Nagavaddilu]
- 13 Neelakanthi
- 14 Patkar (Khatri)
- 15 Perika (Perika Balija, Puragiri kshatriya)
- 16 Nessi or Kurni
- 17 Padmasali (Sali, Salivan, Pattusali, Senapathulu, Thogata Sali)
- 18 Srisayana (Segidi) (deleted vide. G.O.Ms.No.63, BCW (M1) Dept., Dt.11.12.1996 and added to Sl.No.4 of Group-B)
- 19 Swakulasali
- 20 Thogata, Thogati or Thogataveerakshatriya
- 21 Viswabrahmin (Ausula, Kamsali, Kammari, Kanchari, Vadla or Vadra or Vadrangi and Silpis), Viswakarma
- 22 \*[Kunchiti / Vakkaliga / Vakkaligara / Kunchitiga]
- 23 Lodh/ Lodhi/ Lodha (area confined to Hyderabad, Rangareddy, Khammam and Adilabad Districts only)
- 24 Bondili
- 25 Are Marathi, Maratha (Non-Brahmins), Arakalies and Surabhi Natakavallu
- 26 Neeli (included vide. G.O.Ms.No. 43, BCW (C2) Dept., Dt.07.08.2008 by deleting from Group D at Sl.No.22)
- 27 Budubunjala / Bhunjwa / Bhadbhunja (area confined to Hyderabad and Rangareddy Districts only)
- 28 \*[Gudia / Gudiya]

**GROUP-C**

Scheduled Castes converts to Christianity and their progeny

**GROUP-D**  
**(Other Classes)**

- 1 \*[Agaru]
- 2 Arekatika, Katika, Are-Suryavamshi
- 3 \*[Atagara]
- 4 Bhatraju
- 5 Chippolu (Mera)
- 6 \*[Gavara]
- 7 \*[Godaba]
- 8 Hatkar
- 9 \*[Jakkala]
- 10 Jingar
- 11 \*[Kandra]
- 12 Koshti
- 13 Kachi
- 14 Surya Balija (Kalavanthula), Ganika
- 15 Krishnabalija (Dasari, Bukka)
- 16 \*[Koppulavelamas]
- 17 Mathura
- 18 Mali (Bare, Barai, Marar and Tamboli)
- 19 Mudiraj, Mutrasi, Tenugollu
- 20 Munnurukapu
- 21 \*[Nagavasam (Nagavamsa)]
- 22 Nelli (deleted vide. G.O.Ms.No.43, BCW(C2) Dept., Dt.07.08.2008 and added at Sl.No.26 in Group 'B')
- 23 \*[Polinati Velamas of Srikakulam and Visakhapatnam districts]

- 24 Poosala caste (deleted vide. G.O.Ms.No.16, BCW(C2) Dept., Dt.19.02.2009 and included at S.No.52 under Group-A)
- 25 Passi
- 26 Rangarez or Bhavasara Kshatriya
- 27 Sadhuchetty
- 28 Satani (Chattadasrivaishnava)
- 29 Tammali (Non-Brahmins) (Shudra caste) whose traditional occupation is playing musical instruments, vending of flowers and giving assistance in temple service but not Shivarchakars
- 30 \*[Turupukapus or Gajulakapus]
- 31 Uppara or Sagara
- 32 Vanjara (Vanjari)
- 33 Yadava (Golla)
- 34 Are, Arevallu and Arollu
- 35 \*[Sadara / Sadaru]
- 36 \*[Arava]
- 37 Ayyaraka (area confined to Khammam and Warangal Districts only)
- 38 Nagaralu (area confined to Hyderabad and Rangareddy Districts only)
- 39 Aghamudian, Aghamudiar, Agamudivellalar and Agamudimudaliar (including Thuluva Vellalas) (area confined to Hyderabad and Rangareddy Districts only)
- 40 \*[Beri Vysya / Beri Chetty]
- 41 \*[Atirasa]
- 42 Sondi / Sundi
- 43 Varala
- 44 Sistakaranam
- 45 Lakkamarikapu
- 46 Veerashaiva Lingayat / Lingabalija
- 47 Kurmi
- 48 Aheer/ Aheer Yadav
- 49 Govili/Govlii/ Gouli/Gavli
- 50 Kulla Kadagi/ Kulle Kadigi/ Chittepu
- 51 Sarollu/Soma Vamsha Kshatriya

#### **GROUP-E**

**(Socially and Educationally Backward Classes of Muslims)  
(Subject to outcome of Civil Appeal No(s).2628-2637/2010 etc., pending before the  
Hon'ble Supreme Court of India)**

- 1 Achchukattalavandlu, Singali, Singamvallu, Achchupanivallu, Achchukattuvaru, Achukatlavandlu
- 2 Attar Saibulu, Attarollu
- 3 Dhobi Muslim/ Muslim Dhobi/ Dhobi Musalman, Turka Chakla or Turka Sakala, Turaka Chakali, Tulukka Vannan, Tsakalas, Sakalas or Chakalas, Muslim Rajakas
- 4 Faqir, Fhakhir Budbudki, Ghanti Fhakhir, Ghanta Fhakhiru, Turaka Budbudki, Darvesh, Fakeer
- 5 Garadi Muslim, Garadi Saibulu, Pamulavallu, Kani-Kattuvallu, Garadollu, Garadiga
- 6 Gosangi Muslim, Phakeer Sayebulu
- 7 Guddi Eluguvallu, Elugu Bantuvallu, Musalman Keelu Gurrallavallu
- 8 Hajam, Nai, Nai Muslim, Navid
- 9 Labbi, Labbai, Labbon, Labba
- 10 Pakeerla, Borewale, Deera Phakirlu, Bonthala
- 11 Qureshi, Kureshi/ Khureshi, Khasab, Marati Khasab, Muslim Katika, Khatik Muslim
- 12 Shaik/ Sheikh
- 13 Siddi, Yaba, Habshi, Jasi
- 14 Turaka Kasha, Kakkukotte Zinka Saibulu, Chakkitakanevale, Terugadu Gontalavaru, Thirugatigantla, Rollaku Kakku Kottevaru, Pattar Phodulu, Chakketakare, Thuraka Kasha

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*\* omitted vide G.O Ms.No.3, BCW(OP) Dept., Dated:14.08.2014*

- N.B.:1)The above list is for information and subject to confirmation with reference to G.O.Ms.No.58, SW(J) Department, dated 12.05.1997 and time to time orders.
- 2) On account of any reason whatsoever in case of any doubt/ dispute arising in the matter of community status (SC/ST/BC/OC) of any candidate, subject to satisfaction with regard to relevant Rules and Regulations in force the decision of the Commission shall be final in all such cases.

**ANNEXURE – VI**

**List of recognized sports disciplines for Two Percent (2%) reservation in Direct Recruitment in Government Departments / Govt. Institutions as per G.O. Ms. No. 74, Youth Advancement, Tourism & Culture (Sports) Department Dated:09-08-2012**

- (1) FOOTBALL
- (2) HOCKEY
- (3) VOLLEYBALL
- (4) HANDBALL
- (5) BASKET BALL
- (6) TENNIS
- (7) TABLE TENNIS
- (8) SHUTTLE BADMINTON
- (9) KABBADI
- (10) ATHLETICS
- (11) SWIMMING
- (12) GYMNASTICS
- (13) WEIGHTLIFTING
- (14) WRESTLING
- (15) BOXING
- (16) CYCLING
- (17) ROWING
- (18) SHOOTING
- (19) FENCING
- (20) ROLLER SKATING
- (21) SAILING / YATCHING
- (22) ARCHERY
- (23) CRICKET
- (24) CHESS
- (25) KHO-KHO
- (26) JUDO
- (27) TEAKWANDO
- (28) SOFTBALL
- (29) BODY BUILDING (Uniform Services like Police, Excise etc).

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